Appendix 17A CVP/SWP Power Modeling

Power Model Documentation

This document describes the power model assumptions, methods, and models used for the RDEIR/SDEIS. This appendix also provides model results processing and interpretation methods used for the impacts analysis and descriptions.

Power Modeling Methodology & Assumptions

Energy generation can be quantified by estimating hydropower generation, at a monthly level, over a sequence of years representing varying hydrologic conditions. This kind of analysis is based on input hydrology and reservoir operations information. Energy generation capability will be based on the reservoir storage and flow through the turbines. Energy consumption will be based on pumping requirements to meet the operating criteria. These inputs are fed into two spreadsheet-based models, Long-Term Generation (LTGen) and SWP Power, which compute energy generation at each CVP and SWP pumping facility through a series of computations.

Power Models

LTGEN and SWP_Power are two commonly used, publicly available models developed by Reclamation and DWR. These models calculate a facility's long-term power generation capacity and pumping energy consumption for CVP and SWP facilities (Reclamation, 2015). To calculate long-term power generation, the models use reservoir storage and release data from the CalSim II model along with user-specified generation characteristics, such as the number of units and transmission loss, to calculate a monthly average energy generation at all CVP and SWP reservoirs with power plants. NODOS_Power has been developed to calculate the power generation and pumping energy consumption for facilities used to divert water to and from the proposed Sites Reservoir.

The models compute energy generation requirements using flow and storage data from CalSim II and user- specified characteristics, such as percentage of on-peak and off-peak pumping and transmission losses to calculate the monthly average energy consumption of all CVP and SWP pumping plants under the assumed CalSim II scenarios. Flows and storages from the entire CalSim II simulation period (October 1921 to September 2003) are used as inputs to the models. Climate change and sea level rise are inherently represented through CalSim II outputs.

Metrics for quantifying hydropower generation are displayed in terms of energy units generated (such as megawatts). Calculating energy generation annually, monthly, and by water year type can help in evaluating the overall hydropower performance under a variety of energy demand and hydrologic conditions.

For this analysis, the energy capacity, energy generation, energy use, and net energy generation of CVP and SWP facilities for No Action Alternative and three proposed Sites Project alternatives are compared against each other using exceedance tables, exceedance charts, and monthly pattern charts. Using LTGen and SWP_Power, the following parameters have been computed for each CVP and SWP facility:

- Facility Capacity (megawatts; MW)
- Energy Generation (gigawatt hours; GWh)
- Energy Use (gigawatt hours; GWh)
- Net Energy Generation (gigawatt hours; GWh)

Energy Generation Calculations

Energy generation is computed using empirical energy factors provided by the Western Area Power Authority (WAPA) for CVP facilities and by the DWR Operations Control Office (OCO) for SWP facilities. Energy generation can be calculated using Equation 1.

$$\text{Energy\_Generation } (MWh) = Energy\_Factor_G * Q\frac{ft^3}{s} \quad \text{Eq. 1}$$

Average Monthly Power Capacity Calculations

Energy generation is limited on a monthly basis by an average power capacity at each facility. Power capacity fluctuates with varying reservoir levels and scheduled water releases. Generally, power production is higher during summer months when reservoir levels are higher and water is released to satisfy delivery requirements.

For CVP facilities, average monthly power capacity is estimated using empirical equations provided by WAPA. For SWP facilities, average monthly power capacity is computed using Equation 2, where the peak capacity is assumed to be a function of total head and average power plant flow.

$$\text{Power\_Capacity } (MW) = 0.7457\frac{kW}{hp} * 62.4\frac{lbs}{ft^3} * \frac{1MW}{1{,}000kW} * \frac{1hp}{550\frac{lb*ft}{s}} * \frac{1}{\eta} * head(ft) * Avg.powerplant\_flot\_rate\left(\frac{ft^3}{s}\right) \quad \text{Eq. 2}$$

Energy Use Calculations

Energy use is computed using empirical energy factors provided by WAPA for CVP facilities and by the OCO for SWP facilities. Energy use can be calculated using Equation 3.

$$\text{Energy\_Use } (MWh) = Energy\_Factor_U * Q\frac{ft^3}{s} \quad \text{Eq. 3}$$

In addition, the power models determine whether user-specified off-peak energy use targets can be satisfied under given power and flow capacity limits. Moreover, the tools determine the feasibility of requiring a certain percentage of pumping energy use to occur during off-peak hours for a particular month.

Transmission Losses

Transmission losses are estimated to determine energy use and generation at load centers, as percentages of energy use or generation.

Sites (NODOS) Power

The Sites Power tool estimates average annual energy generation and use at proposed Sites Project generation and pumping facilities, including existing facilities that would be operated differently if Sites Reservoir is built. For generation facilities, the tool estimates average annual energy generation and average annual peaking power capacity. For pumping facilities, the tool estimates average annual power requirements. Transmission losses are estimated for both pumping and generation facilities. In addition, the tool estimates the economic benefits and costs of power generation and use at the proposed Sites Reservoir generation and pumping facilities. A total of four pumping facilities and two generation facilities are included in the analysis.

Pumping facilities:

1. Sacramento River diversion to Tehama-Colusa Canal to Funks Reservoir (existing pumping facility)
2. Sacramento River diversion to Glenn-Colusa Canal to Glenn-Colusa Canal Terminal Regulating Reservoir (existing pumping facility)
3. Conveyance from Funks Reservoir to Sites Reservoir (proposed conveyance with pumping facilities)
4. Conveyance from Glenn-Colusa Canal Terminal Regulating Reservoir to Sites Reservoir (proposed conveyance with pumping facilities)

Generation facilities:

1. Conveyance from Sites Reservoir to Funks Reservoir (proposed conveyance with power generation facilities)
2. Conveyance from Sites Reservoir to Glenn-Colusa Canal Terminal Regulating Reservoir (proposed conveyance with power generation facilities)

Figure A-1 includes a schematic of the pumping and generation facilities used in NODOS Power. The red lettering represents CalSim II arcs and the green lettering represents water elevation. Each pumping and generation facility (PP and GP) is associated with a capacity in cfs.

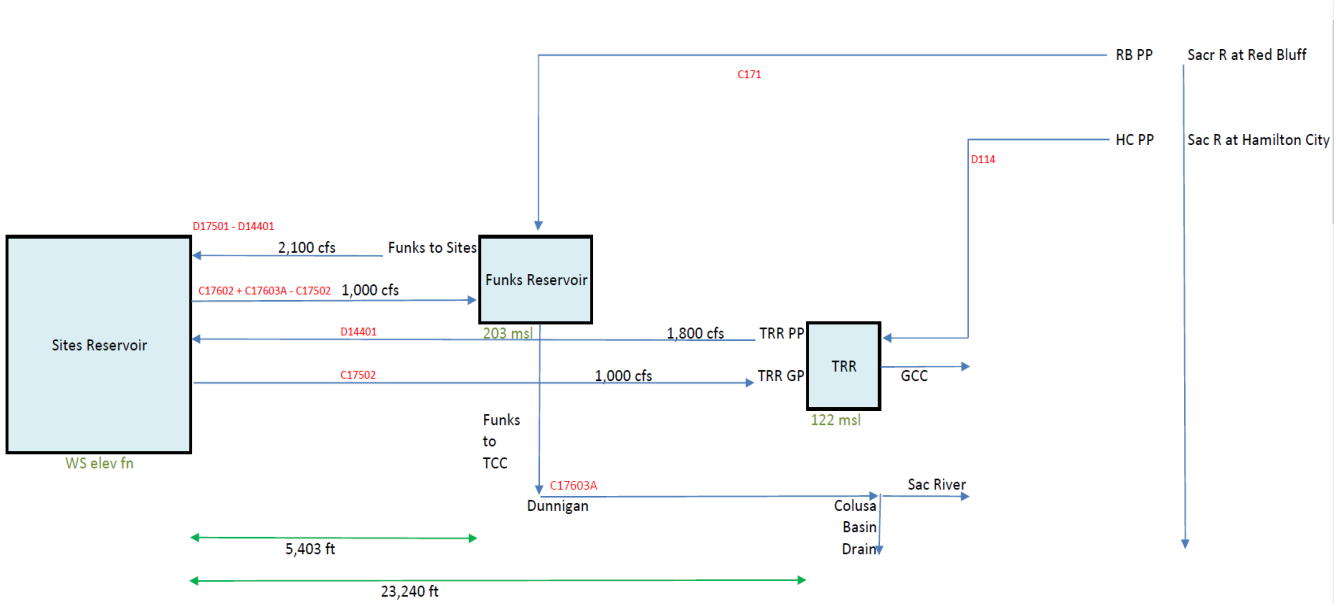


Figure A-1. NODOS Power Model Schematic.

Assumption Tables

Tables A-1, A-2, and A-3 show the assumptions used to estimate energy use and transmission losses at CVP, SWP, and NODOS pumping facilities. Tables A-4, A-5, and A-6 show the assumptions used to estimate energy generation, power capacity, and transmission losses at CVP, SWP, and NODOS generation facilities.

Table A-1. Central Valley Project Pumping Plant Characteristics.

Tracy Pumping Plant												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Energy Factor (kWh/af)	237.5	237.5	237.5	237.5	237.5	237.5	237.5	237.5	237.5	237.5	237.5	237.5
# Units	6	6	6	6	6	6	6	6	6	6	6	6
Capacity/Unit (MW)	16	16	16	16	16	16	16	16	16	16	16	16
Transmission Loss (%)	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%
Percent Eng Off Peak (%)	42.9%	42.9%	42.9%	42.9%	42.9%	42.9%	42.9%	42.9%	42.9%	42.9%	42.9%	42.9%
On Peak Cap Adj Factor	1.05	1.05	1.05	1.50	1.20	2.20	1.60	2.30	1.50	1.05	1.05	1.05
Off Peak Cap Adj Factor	1.05	1.05	1.05	1.50	1.20	2.20	1.60	2.30	1.50	1.05	1.05	1.05
CVP Banks Pumping Plant												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Energy Factor (kWh/af)	297	297	297	297	297	297	297	297	297	297	297	297
# Units	0	0	0	0	0	0	0	0	0	0	0	0
Capacity/Unit (MW)	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Loss (%)	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%
Percent Eng Off Peak (%)	53.7%	53.7%	53.7%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	53.7%	53.7%	53.7%
On Peak Cap Adj Factor	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Off Peak Cap Adj Factor	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Contra Costa Pumping Plant												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Energy Factor (kWh/af)	164.8	164.8	164.8	164.8	164.8	164.8	164.8	164.8	164.8	164.8	164.8	164.8
# Units	6	6	6	6	6	6	6	6	6	6	6	6
Capacity/Unit (MW)	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
Transmission Loss (%)	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%
Percent Eng Off Peak (%)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
On Peak Cap Adj Factor	2.00	2.00	2.00	2.00	2.00	2.00	1.20	1.20	1.20	1.20	2.00	2.00
Off Peak Cap Adj Factor	2.00	2.00	2.00	2.00	2.00	2.00	1.20	1.20	1.20	1.20	2.00	2.00

Table A-1. Central Valley Project Pumping Plant Characteristics (cont).

O'Neill Pumping Plant												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Energy Factor (kWh/af)	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
# Units	6	6	6	6	6	6	6	6	6	6	6	6
Capacity/ Unit (MW)	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Transmission Loss (%)	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%
Percent Eng Off Peak (%)	48.5%	48.5%	48.5%	48.5%	48.5%	48.5%	48.5%	48.5%	48.5%	48.5%	48.5%	48.5%
On Peak Cap Adj Factor	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Off Peak Cap Adj Factor	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
CVP San Luis Pumping Plant												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Energy Factor (kWh/af)	function	function	function	function	function	function	function	function	function	function	function	function
# Units	8	8	8	8	8	8	8	8	8	8	8	8
Capacity/ Unit (MW)	function	function	function	function	function	function	function	function	function	function	function	function
Transmission Loss (%)	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%
Percent Eng Off Peak (%)	89.7%	89.7%	89.7%	89.7%	89.7%	89.7%	89.7%	89.7%	89.7%	89.7%	89.7%	89.7%
On Peak Cap Adj Factor	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
Off Peak Cap Adj Factor	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
San Felipe Pumping Plant (Pacheco)												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Energy Factor (kWh/af)	function	function	function	function	function	function	function	function	function	function	function	function
# Units	12	12	12	12	12	12	12	12	12	12	12	12
Capacity/ Unit (MW)	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Transmission Loss (%)	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%
Percent Eng Off Peak (%)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
On Peak Cap Adj Factor	2.00	2.00	2.00	1.50	1.50	1.50	1.50	1.20	1.20	1.20	1.20	1.20
Off Peak Cap Adj Factor	2.00	2.00	2.00	1.50	1.50	1.50	1.50	1.20	1.20	1.20	1.20	1.20

Table A-1. Central Valley Project Pumping Plant Characteristics (cont).

CVP Dos Amigos Pumping Plant												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Energy Factor (kWh/af)	137.9	137.9	137.9	137.9	137.9	137.9	137.9	137.9	137.9	137.9	137.9	137.9
# Units	6	6	6	6	6	6	6	6	6	6	6	6
Capacity/ Unit (MW)	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6
Transmission Loss (%)	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%
Percent Eng Off Peak (%)	76.6%	76.6%	76.6%	76.6%	76.6%	76.6%	76.6%	76.6%	56.6%	56.6%	56.6%	76.6%
On Peak Cap Adj Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Off Peak Cap Adj Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Folsom Pumping Plant												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Energy Factor (kWh/af)	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function
# Units	6	6	6	6	6	6	6	6	6	6	6	6
Capacity/ Unit (MW)	5	5	5	5	5	5	5	5	5	5	5	5
Transmission Loss (%)	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%
Percent Eng Off Peak (%)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
On Peak Cap Adj Factor	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
Off Peak Cap Adj Factor	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
Corning Pumping Plant												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Energy Factor (kWh/af)	190	190	190	190	190	190	190	190	190	190	190	190
# Units	0	0	0	0	0	0	0	0	0	0	0	0
Capacity/ Unit (MW)	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Loss (%)	8.0%	8.0%	8.0%	8.0%	8.0%	8.0%	8.0%	8.0%	8.0%	8.0%	8.0%	8.0%
Percent Eng Off Peak (%)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
On Peak Cap Adj Factor	3.00	4.00	4.00	4.00	4.00	3.00	2.00	2.00	2.00	2.00	2.00	2.00
Off Peak Cap Adj Factor	3.00	4.00	4.00	4.00	4.00	3.00	2.00	2.00	2.00	2.00	2.00	2.00

Table A-1. Central Valley Project Pumping Plant Characteristics (cont).

San Luis Other												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Energy Factor (kWh/af)	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
# Units	0	0	0	0	0	0	0	0	0	0	0	0
Capacity/Unit (MW)	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Loss (%)	8.0%	8.0%	8.0%	8.0%	8.0%	8.0%	8.0%	8.0%	8.0%	8.0%	8.0%	8.0%
Percent Eng Off Peak (%)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
On Peak Cap Adj Factor	2.00	2.00	2.00	2.00	2.00	2.00	1.50	1.50	1.50	1.50	1.50	2.00
Off Peak Cap Adj Factor	2.00	2.00	2.00	2.00	2.00	2.00	1.50	1.50	1.50	1.50	1.50	2.00
DMC Other												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Energy Factor (kWh/af)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
# Units	0	0	0	0	0	0	0	0	0	0	0	0
Capacity/Unit (MW)	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Loss (%)	8.0%	8.0%	8.0%	8.0%	8.0%	8.0%	8.0%	8.0%	8.0%	8.0%	8.0%	8.0%
Percent Eng Off Peak (%)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
On Peak Cap Adj Factor	3.00	3.00	3.00	3.00	2.50	2.00	2.00	1.50	1.50	1.50	1.50	1.50
Off Peak Cap Adj Factor	3.00	3.00	3.00	3.00	2.50	2.00	2.00	1.50	1.50	1.50	1.50	1.50
Miscellaneous Project Use												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
MW	7	5	6	6	9	11	4	5	15	23	33	9
Transmission Loss (%)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
GWH	5.1	3.4	4.6	4.5	6.1	8.5	2.5	3.7	10.6	16.8	24.8	6.2
Percent Eng Off Peak (%)	59.1%	61.6%	67.3%	64.3%	62.0%	59.0%	52.2%	52.9%	49.1%	50.3%	49.8%	61.3%
DMC Intertie												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Energy Factor (kWh/af)	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
# Units	8	8	8	8	8	8	8	8	8	8	8	8
Capacity/Unit (MW)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Transmission Loss (%)	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%
Percent Eng Off Peak (%)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
On Peak Cap Adj Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Off Peak Cap Adj Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Table A-2. State Water Project Pumping Plant Characteristics.

Banks Pumping Plant												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Energy Factor (kWh/af)	297	297	297	297	297	297	297	297	297	297	297	297
# Units	0	0	0	0	0	0	0	0	0	0	0	0
Capacity/Unit (MW)	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Loss (%)	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%
Percent Eng Off Peak (%)	53.7%	53.7%	53.7%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	53.7%	53.7%	53.7%
SWP San Luis Pumping Plant (Gianelli Pumping Plant)												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Energy Factor (kWh/af)	function	function	function	function	function	function	function	function	function	function	function	function
# Units	8	8	8	8	8	8	8	8	8	8	8	8
Capacity/Unit (MW)	function	function	function	function	function	function	function	function	function	function	function	function
Transmission Loss (%)	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%
Percent Eng Off Peak (%)	89.7%	89.7%	89.7%	89.7%	89.7%	89.7%	89.7%	89.7%	89.7%	89.7%	89.7%	89.7%
Dos Amigos Pumping Plant												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Energy Factor (kWh/af)	137.9	137.9	137.9	137.9	137.9	137.9	137.9	137.9	137.9	137.9	137.9	137.9
# Units	6	6	6	6	6	6	6	6	6	6	6	6
Capacity/Unit (MW)	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6
Transmission Loss (%)	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%
Percent Eng Off Peak (%)	76.6%	76.6%	76.6%	76.6%	76.6%	76.6%	76.6%	76.6%	56.6%	56.6%	56.6%	76.6%
Buena Vista Pumping Plant												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Energy Factor (kWh/af)	242	242	242	242	242	242	242	242	242	242	242	242
Plant Power Rating (MW)	107.8	107.8	107.8	107.8	107.8	107.8	107.8	107.8	107.8	107.8	107.8	107.8
Transmission Loss (%)	1.51%	1.51%	1.51%	1.51%	1.51%	1.51%	1.51%	1.51%	1.51%	1.51%	1.51%	1.51%
Percent Eng Off Peak (%)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

Table A-2. State Water Project Pumping Plant Characteristics (cont).

Teerink (Wheeler Ridge) Pumping Plant												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Energy Factor (kWh/af)	295	295	295	295	295	295	295	295	295	295	295	295
Plant Power Rating (MW)	111.9	111.9	111.9	111.9	111.9	111.9	111.9	111.9	111.9	111.9	111.9	111.9
Transmission Loss (%)	1.51%	1.51%	1.51%	1.51%	1.51%	1.51%	1.51%	1.51%	1.51%	1.51%	1.51%	1.51%
Percent Eng Off Peak (%)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Chrisman (Wind Gap) Pumping Plant												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Energy Factor (kWh/af)	639	639	639	639	639	639	639	639	639	639	639	639
Plant Power Rating (MW)	246.18	246.18	246.18	246.18	246.18	246.18	246.18	246.18	246.18	246.18	246.18	246.18
Transmission Loss (%)	1.51%	1.51%	1.51%	1.51%	1.51%	1.51%	1.51%	1.51%	1.51%	1.51%	1.51%	1.51%
Percent Eng Off Peak (%)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Edmonson Pumping Plant												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Energy Factor (kWh/af)	2,236	2,236	2,236	2,236	2,236	2,236	2,236	2,236	2,236	2,236	2,236	2,236
Plant Power Rating (MW)	775.84	775.84	775.84	775.84	775.84	775.84	775.84	775.84	775.84	775.84	775.84	775.84
Transmission Loss (%)	1.64%	1.64%	1.64%	1.64%	1.64%	1.64%	1.64%	1.64%	1.64%	1.64%	1.64%	1.64%
Percent Eng Off Peak (%)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Pearblossom Pumping Plant												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Energy Factor (kWh/af)	703	703	703	703	703	703	703	703	703	703	703	703
Plant Power Rating (MW)	151.588	151.588	151.588	151.588	151.588	151.588	151.588	151.588	151.588	151.588	151.588	151.588
Transmission Loss (%)	0.30%	0.30%	0.30%	0.30%	0.30%	0.30%	0.30%	0.30%	0.30%	0.30%	0.30%	0.30%
Percent Eng Off Peak (%)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

Table A-2. State Water Project Pumping Plant Characteristics (cont).

Oso Pumping Plant												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Energy Factor (kWh/af)	280	280	280	280	280	280	280	280	280	280	280	280
Plant Power Rating (MW)	69.975	69.975	69.975	69.975	69.975	69.975	69.975	69.975	69.975	69.975	69.975	69.975
Transmission Loss (%)	2.34%	2.34%	2.34%	2.34%	2.34%	2.34%	2.34%	2.34%	2.34%	2.34%	2.34%	2.34%
Percent Eng Off Peak (%)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
South Bay Pumping Plant												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Energy Factor (kWh/af)	797	797	797	797	797	797	797	797	797	797	797	797
Plant Power Rating (MW)	20.69	20.69	20.69	20.69	20.69	20.69	20.69	20.69	20.69	20.69	20.69	20.69
Transmission Loss (%)	2.3%	2.3%	2.3%	2.3%	2.3%	2.3%	2.3%	2.3%	2.3%	2.3%	2.3%	2.3%
Percent Eng Off Peak (%)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Del Valle Pumping Plant												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Energy Factor (kWh/af)	72	72	72	72	72	72	72	72	72	72	72	72
Plant Power Rating (MW)	0.746	0.746	0.746	0.746	0.746	0.746	0.746	0.746	0.746	0.746	0.746	0.746
Transmission Loss (%)	1.8%	1.8%	1.8%	1.8%	1.8%	1.8%	1.8%	1.8%	1.8%	1.8%	1.8%	1.8%
Percent Eng Off Peak (%)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Las Perillas Pumping Plant												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Energy Factor (kWh/af)	77	77	77	77	77	77	77	77	77	77	77	77
Plant Power Rating (MW)	3.021	3.021	3.021	3.021	3.021	3.021	3.021	3.021	3.021	3.021	3.021	3.021
Transmission Loss (%)	1.32%	1.32%	1.32%	1.32%	1.32%	1.32%	1.32%	1.32%	1.32%	1.32%	1.32%	1.32%
Percent Eng Off Peak (%)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Badger Hill Pumping Plant												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Energy Factor (kWh/af)	200	200	200	200	200	200	200	200	200	200	200	200
Plant Power Rating (MW)	8.766	8.766	8.766	8.766	8.766	8.766	8.766	8.766	8.766	8.766	8.766	8.766
Transmission Loss (%)	1.32%	1.32%	1.32%	1.32%	1.32%	1.32%	1.32%	1.32%	1.32%	1.32%	1.32%	1.32%
Percent Eng Off Peak (%)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

Table A-3. Sites Project (NODOS) Pumping Plant Characteristics.

Tehama-Colusa Canal Pump Station												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Plant Efficiency (%)	85.0%	85.0%	85.0%	85.0%	85.0%	85.0%	85.0%	85.0%	85.0%	85.0%	85.0%	85.0%
Dynamic Head (feet)	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
Plant Power Rating (MW)	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
Transmission Loss (%)	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
Flow Capacity (CFS)	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500
Terminal Regulating Reservoir Pump Station												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Head Loss: Number of Pipelines	2	2	2	2	2	2	2	2	2	2	2	2
Head Loss: Flow/Pipeline (CFS)	900	900	900	900	900	900	900	900	900	900	900	900
Head Loss: Pipe Roughness	120	120	120	120	120	120	120	120	120	120	120	120
Head Loss: Pipeline Diameter (feet)	12	12	12	12	12	12	12	12	12	12	12	12
Head Loss: Pipeline Length (feet)	23,240	23240	23240	23240	23240	23240	23240	23240	23,240	23240	23240	23240
Elevation 1	122.0	122	122	122	122	122	122	122	122	122	122	122
Elevation 2	Sites WS	Sites WS	Sites WS	Sites WS	Sites WS	Sites WS	Sites WS	Sites WS	Sites WS	Sites WS	Sites WS	Sites WS
Plant Power Rating (MW)	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
Plant Efficiency (%)	88.0%	88.0%	88.0%	88.0%	88.0%	88.0%	88.0%	88.0%	88.0%	88.0%	88.0%	88.0%
Transmission Loss (%)	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
Funks Pump Station												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Head Loss: Number of Pipelines	2	2	2	2	2	2	2	2	2	2	2	2
Head Loss: Flow/Pipeline (CFS)	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050
Head Loss: $Pipe_{steel}$ Roughness	120	120	120	120	120	120	120	120	120	120	120	120
Head Loss: Pipeline Diameter (feet)	12	12	12	12	12	12	12	12	12	12	12	12
Head Loss: $Pipeline_{steel}$ Length (feet)	5,403	5,403	5,403	5,403	5,403	5,403	5,403	5,403	5,403	5,403	5,403	5,403
Elevation 1	203	203	203	203	203	203	203	203	203	203	203	203
Elevation 2	Sites WS	Sites WS	Sites WS	Sites WS	Sites WS	Sites WS	Sites WS	Sites WS	Sites WS	Sites WS	Sites WS	Sites WS
Plant Power Rating (MW)	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
Plant Efficiency (%)	89.0%	89.0%	89.0%	89.0%	89.0%	89.0%	89.0%	89.0%	89.0%	89.0%	89.0%	89.0%
Transmission Loss (%)	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
Percent Eng Off Peak (%)	50.00%	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%

Table A-3. Sites Project (NODOS) Pumping Plant Characteristics (cont).

GCID-Sites Pump Station												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Plant Efficiency (%)	85.0%	85.0%	85.0%	85.0%	85.0%	85.0%	85.0%	85.0%	85.0%	85.0%	85.0%	85.0%
Dynamic Head (feet)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Plant Power Rating (MW)	3.39	3.39	3.39	3.39	3.39	3.39	3.39	3.39	3.39	3.39	3.39	3.39
Transmissio n Loss (%)	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
Flow Capacity (CFS)	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000

Table A-4. Central Valley Project Powerplant Characteristics.

Trinity Powerplant - Peaking Operation												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Energy Factor (kWh/af)	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function
# Units	2	2	2	2	2	2	2	2	2	2	2	2
Capacity/Unit (MW)	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function
Transmission Loss (%)	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%
Lewiston Powerplant - Baseload Operation												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Energy Factor (kWh/af)	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function
# Units	0	0	0	0	0	0	0	0	0	0	0	0
Capacity/Unit (MW)	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function
Transmission Loss (%)	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%
Carr Powerplant - Peaking Operation												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Energy Factor (kWh/af)	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function
# Units	2	2	2	2	2	2	2	2	2	2	2	2
Capacity/Unit (MW)	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function
Transmission Loss (%)	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%
Spring Creek Powerplant - Peaking Operation												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Energy Factor (kWh/af)	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function
# Units	2	2	2	2	2	2	2	2	2	2	2	2
Capacity/Unit (MW)	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function
Transmission Loss (%)	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%
Shasta Powerplant - Peaking Operation												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Energy Factor (kWh/af)	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function
# Units	5	5	5	5	5	5	5	5	5	5	5	5
Capacity/Unit (MW)	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function
Transmission Loss (%)	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%
Keswick Powerplant - Baseload Operation												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Energy Factor (kWh/af)	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function
# Units	3	3	3	3	3	3	3	3	3	3	3	3
Capacity/Unit (MW)	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function
Transmission Loss (%)	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%

Table A-4. Central Valley Project Powerplant Characteristics (cont).

Folsom Powerplant - Peaking Operation												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Energy Factor (kWh/af)	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function
# Units	3	3	3	3	3	3	3	3	3	3	3	3
Capacity/Unit (MW)	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function
Transmission Loss (%)	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%
Nimbus Powerplant - Baseload Operation												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Energy Factor (kWh/af)	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function
# Units	2	2	2	2	2	2	2	2	2	2	2	2
Capacity/Unit (MW)	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function
Transmission Loss (%)	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%
New Melones Powerplant - Peaking Operation												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Energy Factor (kWh/af)	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function
# Units	2	2	2	2	2	2	2	2	2	2	2	2
Capacity/Unit (MW)	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function
Transmission Loss (%)	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%
CVP San Luis Powerplant - Peaking Operation												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Energy Factor (kWh/af)	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function
# Units	8	8	8	8	8	8	8	8	8	8	8	8
Capacity/Unit (MW)	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function
Transmission Loss (%)	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%
Share of Total Cap (%)	47.1%	47.1%	47.1%	47.1%	47.1%	47.1%	47.1%	47.1%	47.1%	47.1%	47.1%	47.1%
O'Neill Powerplant - Baseload Operation, flow computation												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Energy Factor (kWh/af)	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function
# Units	6	6	6	6	6	6	6	6	6	6	6	6
Capacity/Unit (MW)	3	3	3	3	3	3	3	3	3	3	3	3
Transmission Loss (%)	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%

Table A-5. State Water Project Powerplant Characteristics.

Hyatt (Lake Oroville) Power Plant												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Energy Factor (kWh/af)	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function
Maximum Flow Capacity (cfs)	16950	16950	16950	16950	16950	16950	16950	16950	16950	16950	16950	16950
Plant Power Rating (MW)	812	812	812	812	812	812	812	812	812	812	812	812
Plant Efficiency	87.3%	87.3%	87.3%	87.3%	87.3%	87.3%	87.3%	87.3%	87.3%	87.3%	87.3%	87.3%
Transmission Loss (%)	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%
Thermalito Power Plant												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Energy Factor (kWh/af)	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function
Maximum Flow Capacity (cfs)	17400	17400	17400	17400	17400	17400	17400	17400	17400	17400	17400	17400
Plant Power Rating (MW)	120	120	120	120	120	120	120	120	120	120	120	120
Plant Efficiency	87.3%	87.3%	87.3%	87.3%	87.3%	87.3%	87.3%	87.3%	87.3%	87.3%	87.3%	87.3%
Transmission Loss (%)	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%
SWP San Luis (Gianelli Power Plant)												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Energy Factor (kWh/af)	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function
Capacity/Unit (MW)	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function
# Units	8	8	8	8	8	8	8	8	8	8	8	8
Share of Total Cap (%)	52.9%	52.9%	52.9%	52.9%	52.9%	52.9%	52.9%	52.9%	52.9%	52.9%	52.9%	52.9%
Transmission Loss (%)	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%
Alamo Power Plant												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Energy Factor (kWh/af)	105	105	105	105	105	105	105	105	105	105	105	105
Maximum Flow Capacity (cfs)	1740	1740	1740	1740	1740	1740	1740	1740	1740	1740	1740	1740
Plant Power Rating (MW)	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6
Plant Efficiency	80.1%	80.1%	80.1%	80.1%	80.1%	80.1%	80.1%	80.1%	80.1%	80.1%	80.1%	80.1%
Transmission Loss (%)	1.4%	1.4%	1.4%	1.4%	1.4%	1.4%	1.4%	1.4%	1.4%	1.4%	1.4%	1.4%
Mojave Power Plant												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Energy Factor (kWh/af)	95	95	95	95	95	95	95	95	95	95	95	95
Maximum Flow Capacity (cfs)	2880	2880	2880	2880	2880	2880	2880	2880	2880	2880	2880	2880
Plant Power Rating (MW)	32.90	32.90	32.90	32.90	32.90	32.90	32.90	32.90	32.90	32.90	32.90	32.90
Plant Efficiency	84%	84%	84%	84%	84%	84%	84%	84%	84%	84%	84%	84%
Transmission Loss (%)	5.93%	5.93%	5.93%	5.93%	5.93%	5.93%	5.93%	5.93%	5.93%	5.93%	5.93%	5.93%

Table A-5. State Water Project Powerplant Characteristics (cont).

Devil's Canyon Power Plant												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Energy Factor (kWh/af)	1113	1113	1113	1113	1113	1113	1113	1113	1113	1113	1113	1113
Maximum Flow Capacity (cfs)	2940	2940	2940	2940	2940	2940	2940	2940	2940	2940	2940	2940
Plant Power Rating (MW)	358	358	358	358	358	358	358	358	358	358	358	358
Plant Efficiency	82%	82%	82%	82%	82%	82%	82%	82%	82%	82%	82%	82%
Transmission Loss (%)	2.23%	2.23%	2.23%	2.23%	2.23%	2.23%	2.23%	2.23%	2.23%	2.23%	2.23%	2.23%
W. E. Warne Power Plant												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Energy Factor (kWh/af)	573	573	573	573	573	573	573	573	573	573	573	573
Maximum Flow Capacity (cfs)	1564	1564	1564	1564	1564	1564	1564	1564	1564	1564	1564	1564
Plant Power Rating (MW)	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
Plant Efficiency	81.4%	81.4%	81.4%	81.4%	81.4%	81.4%	81.4%	81.4%	81.4%	81.4%	81.4%	81.4%
Transmission Loss (%)	1.4%	1.4%	1.4%	1.4%	1.4%	1.4%	1.4%	1.4%	1.4%	1.4%	1.4%	1.4%
Castaic Power Plant												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Energy Factor (kWh/af)	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function	Function
Maximum Flow Capacity (cfs)	17840	17840	17840	17840	17840	17840	17840	17840	17840	17840	17840	17840
Plant Power Rating (MW)	1260	1260	1260	1260	1260	1260	1260	1260	1260	1260	1260	1260
Plant Efficiency	88.4%	88.4%	88.4%	88.4%	88.4%	88.4%	88.4%	88.4%	88.4%	88.4%	88.4%	88.4%
Transmission Loss (%)	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%

Table A-6. Sites Project (NODOS) Powerplant Characteristics.

Funks Power Plant												
		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Head Loss	Number of Pipelines	2	2	2	2	2	2	2	2	2	2	2	2
	Capacity/Pipeline	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
	$Pipe_{concrete}$ Roughness	0	0	0	0	0	0	0	0	0	0	0	0
	$Pipe_{steel}$ Roughness	120	120	120	120	120	120	120	120	120	120	120	120
	Pipeline Diameter (feet)	12	12	12	12	12	12	12	12	12	12	12	12
	$Pipeline_{steel}$ Length (feet)	5403	5403	5403	5403	5403	5403	5403	5403	5403	5403	5403	5403
	Elevation 1	Sites WS	Sites WS	Sites WS	Sites WS	Sites WS	Sites WS	Sites WS	Sites WS	Sites WS	Sites WS	Sites WS	Sites WS
	Elevation 2	203	203	203	203	203	203	203	203	203	203	203	203
	Plant Power Rating (MW)	47	47	47	47	47	47	47	47	47	47	47	47
	Plant Efficiency (%)	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%
	Transmission Loss (%)	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%
	Percent Eng On Peak (%)	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%
TRR Power Plant													
		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Head Loss	Number of Pipelines	2	2	2	2	2	2	2	2	2	2	2	2
	Capacity/Pipeline	500	500	500	500	500	500	500	500	500	500	500	500
	Pipe Roughness	120	120	120	120	120	120	120	120	120	120	120	120
	Pipeline Diameter (feet)	12	12	12	12	12	12	12	12	12	12	12	12
	Pipeline Length (feet)	23,240	23,240	23,240	23,240	23,240	23,240	23,240	23,240	23,240	23,240	23,240	23,240
	Elevation 1	Sites WS	Sites WS	Sites WS	Sites WS	Sites WS	Sites WS	Sites WS	Sites WS	Sites WS	Sites WS	Sites WS	Sites WS
	Elevation 2	122.0	122.0	122.0	122.0	122.0	122.0	122.0	122.0	122.0	122.0	122.0	122.0
	Plant Power Rating (MW)	26	26	26	26	26	26	26	26	26	26	26	26
	Plant Efficiency (%)	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%
	Transmission Loss (%)	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%

*Funks plant efficiency equals zero when EOM storage is less than 300 TAF.

References

U.S. Department of the Interior, Bureau of Reclamation (Reclamation). 2015. Final Environmental Impact Statement for the Coordinated Long-term Operation of the Central Valley Project and the State Water Project, Appendix 8A: Power Model Documentation.

Attachment 1 – Power Modeling Results (LTGen, SWP Power, and Sites Power)

The following results of the LTGen, SWP, and Sites Power models are included for energy capacity, energy generation, and energy use at key project locations for the following alternatives:

- No Action Alternative 011221
- Alternative 1A 011221
- Alternative 1B 011221
- Alternative 2 011221
- Alternative 3 020121

Monthly Reports

Title	Model Parameter	Table Numbers	Figure Numbers
CVP Total Capacity	CVP_TOTAL	1-1 to 1-4	1-1 to 1-18
CVP Total Generation	CVP_TOTAL	2-1 to 2-4	2-1 to 2-18
CVP Total Energy Use	CVP_TOTAL	3-1 to 3-4	3-1 to 3-18
CVP Net Generation	CVP_TOTAL	4-1 to 4-4	4-1 to 4-18
CVP Net Revenue	CVP_TOTAL	5-1 to 5-4	5-1 to 5-18
SWP Total Capacity	SWP_TOTAL	6-1 to 6-4	6-1 to 6-18
SWP Total Generation	SWP_TOTAL	7-1 to 7-4	7-1 to 7-18
SWP Total Energy Use	SWP_TOTAL	8-1 to 8-4	8-1 to 8-18
SWP Net Generation	SWP_TOTAL	9-1 to 9-4	9-1 to 9-18
SWP Net Revenue	SWP_TOTAL	10-1 to 10-4	10-1 to 10-18
Sites Total Capacity	SITES_TOTAL	11-1 to 11-4	11-1 to 11-18
Sites Total Generation	SITES_TOTAL	12-1 to 12-4	12-1 to 12-18
Sites Total Energy Use	SITES_TOTAL	13-1 to 13-4	13-1 to 13-18
Sites Net Generation	SITES_TOTAL	14-1 to 14-4	14-1 to 14-18
Sites Net Revenue	SITES_TOTAL	15-1 to 15-4	15-1 to 15-18
CVP, SWP, and SITES Net Generation	CVP_SWP_SITES_TOTAL	16-1 to 16-4	16-1 to 16-18
CVP, SWP, and SITES Net Revenue	CVP_SWP_SITES_TOTAL	17-1 to 17-4	17-1 to 17-18

Annual Reports

Title	Model Parameter	Table Numbers	Figure Numbers
CVP Total Generation	CVP_TOTAL	18-1 to 18-4	18-1
CVP Total Energy Use	CVP_TOTAL	19-1 to 19-4	19-1
CVP Net Generation	CVP_TOTAL	20-1 to 20-4	20-1
CVP Net Revenue	CVP_TOTAL	21-1 to 21-4	21-1
SWP Total Generation	SWP_TOTAL	22-1 to 22-4	22-1
SWP Total Energy Use	SWP_TOTAL	23-1 to 23-4	23-1
SWP Net Generation	SWP_TOTAL	24-1 to 24-4	24-1
SWP Net Revenue	SWP_TOTAL	25-1 to 25-4	25-1
Sites Total Generation	SITES_TOTAL	26-1 to 26-4	26-1
Sites Total Energy Use	SITES_TOTAL	27-1 to 27-4	27-1
Sites Net Generation	SITES_TOTAL	28-1 to 28-4	28-1
Sites Net Revenue	SITES_TOTAL	29-1 to 29-4	29-1
CVP, SWP, and SITES Net Generation	CVP_SWP_SITES_TOTAL	30-1 to 30-4	30-1
CVP, SWP, and SITES Net Revenue	CVP_SWP_SITES_TOTAL	31-1 to 31-4	31-1

Report formats

- Exceedance tables comparing power modeling results of two scenarios
- Monthly pattern charts including all scenarios
- Monthly/Annual exceedance charts including all scenarios

Table 1-1a. CVP Facilities Total Capacity, No Action Alternative 011221, Monthly Capacity (MW)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,759	1,817	1,853	1,875	1,910	1,948	1,927	1,911	1,843	1,781	1,738	1,733
20%	1,736	1,782	1,831	1,862	1,892	1,920	1,904	1,875	1,786	1,738	1,703	1,695
30%	1,701	1,769	1,814	1,848	1,875	1,899	1,875	1,823	1,731	1,684	1,661	1,660
40%	1,673	1,728	1,778	1,830	1,861	1,875	1,843	1,793	1,698	1,645	1,626	1,634
50%	1,632	1,683	1,743	1,801	1,833	1,843	1,810	1,763	1,656	1,607	1,578	1,586
60%	1,603	1,646	1,710	1,771	1,803	1,828	1,785	1,718	1,633	1,573	1,551	1,554
70%	1,551	1,592	1,677	1,724	1,778	1,795	1,769	1,699	1,595	1,530	1,508	1,522
80%	1,494	1,534	1,594	1,674	1,723	1,744	1,701	1,658	1,574	1,486	1,477	1,485
90%	1,349	1,430	1,503	1,603	1,625	1,615	1,602	1,519	1,455	1,371	1,340	1,319
Long Term												
Full Simulation Period[a]	1,596	1,650	1,709	1,761	1,798	1,820	1,792	1,740	1,651	1,587	1,560	1,557
Water Year Types[b,c]												
Wet (32%)	1,738	1,782	1,815	1,845	1,884	1,920	1,902	1,877	1,798	1,750	1,715	1,712
Above Normal (15%)	1,634	1,689	1,738	1,818	1,851	1,871	1,845	1,801	1,693	1,637	1,600	1,608
Below Normal (17%)	1,598	1,642	1,714	1,736	1,781	1,818	1,792	1,732	1,639	1,577	1,559	1,561
Dry (22%)	1,569	1,620	1,688	1,743	1,779	1,788	1,755	1,687	1,604	1,523	1,510	1,518
Critical (15%)	1,286	1,379	1,474	1,576	1,602	1,599	1,554	1,474	1,377	1,294	1,258	1,223

Table 1-1b. CVP Facilities Total Capacity, Alternative 1A 011221, Monthly Capacity (MW)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,759	1,820	1,857	1,876	1,910	1,948	1,927	1,911	1,843	1,781	1,740	1,733
20%	1,739	1,784	1,831	1,862	1,894	1,921	1,906	1,877	1,787	1,739	1,703	1,695
30%	1,703	1,767	1,814	1,849	1,875	1,899	1,874	1,824	1,735	1,687	1,664	1,668
40%	1,671	1,729	1,777	1,830	1,861	1,875	1,844	1,794	1,695	1,651	1,630	1,632
50%	1,632	1,697	1,743	1,802	1,833	1,844	1,810	1,763	1,657	1,605	1,579	1,590
60%	1,605	1,655	1,717	1,774	1,804	1,830	1,784	1,724	1,635	1,575	1,552	1,553
70%	1,553	1,593	1,677	1,725	1,780	1,799	1,773	1,702	1,597	1,531	1,509	1,524
80%	1,489	1,529	1,595	1,666	1,721	1,744	1,702	1,668	1,588	1,490	1,480	1,465
90%	1,345	1,436	1,511	1,604	1,630	1,613	1,606	1,530	1,444	1,372	1,345	1,324
Long Term												
Full Simulation Period[a]	1,597	1,652	1,709	1,761	1,798	1,820	1,793	1,743	1,653	1,589	1,561	1,560
Water Year Types[b,c]												
Wet (32%)	1,738	1,782	1,815	1,845	1,884	1,920	1,902	1,877	1,799	1,750	1,716	1,713
Above Normal (15%)	1,636	1,690	1,739	1,818	1,852	1,871	1,845	1,802	1,694	1,640	1,602	1,610
Below Normal (17%)	1,604	1,650	1,718	1,735	1,780	1,817	1,792	1,733	1,637	1,578	1,561	1,566
Dry (22%)	1,569	1,621	1,685	1,744	1,781	1,790	1,757	1,691	1,607	1,524	1,510	1,515
Critical (15%)	1,286	1,382	1,474	1,577	1,603	1,598	1,559	1,481	1,384	1,300	1,260	1,238

Table 1-1c. CVP Facilities Total Capacity, Alternative 1A 011221 minus No Action Alternative 011221, Monthly Capacity (MW)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1	3	4	0	0	0	0	0	0	0	2	0
20%	3	2	0	0	2	1	2	1	0	1	1	0
30%	2	-1	0	2	0	0	-1	1	4	3	3	8
40%	-1	1	0	0	0	-1	1	1	-3	6	4	-1
50%	0	14	0	1	0	1	1	0	2	-1	2	5
60%	2	9	8	2	1	1	-1	7	1	2	2	-1
70%	2	1	1	1	1	4	5	2	2	1	2	1
80%	-6	-5	1	-9	-2	0	1	10	13	3	2	-19
90%	-4	6	8	1	5	-2	4	11	-11	2	5	4
Long Term												
Full Simulation Period[a]	1	3	0	0	0	0	1	3	2	2	1	3
Water Year Types[b,c]												
Wet (32%)	0	1	0	0	0	0	0	1	1	0	0	0
Above Normal (15%)	1	1	1	1	0	0	0	1	1	2	2	2
Below Normal (17%)	6	8	4	-1	-1	-1	0	1	-2	1	2	4
Dry (22%)	-1	2	-3	1	1	1	2	4	4	2	0	-3
Critical (15%)	0	3	0	1	0	0	6	7	7	6	2	14

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 1-2a. CVP Facilities Total Capacity, No Action Alternative 011221, Monthly Capacity (MW)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,759	1,817	1,853	1,875	1,910	1,948	1,927	1,911	1,843	1,781	1,738	1,733
20%	1,736	1,782	1,831	1,862	1,892	1,920	1,904	1,875	1,786	1,738	1,703	1,695
30%	1,701	1,769	1,814	1,848	1,875	1,899	1,875	1,823	1,731	1,684	1,661	1,660
40%	1,673	1,728	1,778	1,830	1,861	1,875	1,843	1,793	1,698	1,645	1,626	1,634
50%	1,632	1,683	1,743	1,801	1,833	1,843	1,810	1,763	1,656	1,607	1,578	1,586
60%	1,603	1,646	1,710	1,771	1,803	1,828	1,785	1,718	1,633	1,573	1,551	1,554
70%	1,551	1,592	1,677	1,724	1,778	1,795	1,769	1,699	1,595	1,530	1,508	1,522
80%	1,494	1,534	1,594	1,674	1,723	1,744	1,701	1,658	1,574	1,486	1,477	1,485
90%	1,349	1,430	1,503	1,603	1,625	1,615	1,602	1,519	1,455	1,371	1,340	1,319
Long Term												
Full Simulation Period[a]	1,596	1,650	1,709	1,761	1,798	1,820	1,792	1,740	1,651	1,587	1,560	1,557
Water Year Types[b,c]												
Wet (32%)	1,738	1,782	1,815	1,845	1,884	1,920	1,902	1,877	1,798	1,750	1,715	1,712
Above Normal (15%)	1,634	1,689	1,738	1,818	1,851	1,871	1,845	1,801	1,693	1,637	1,600	1,608
Below Normal (17%)	1,598	1,642	1,714	1,736	1,781	1,818	1,792	1,732	1,639	1,577	1,559	1,561
Dry (22%)	1,569	1,620	1,688	1,743	1,779	1,788	1,755	1,687	1,604	1,523	1,510	1,518
Critical (15%)	1,286	1,379	1,474	1,576	1,602	1,599	1,554	1,474	1,377	1,294	1,258	1,223

Table 1-2b. CVP Facilities Total Capacity, Alternative 1B 011221, Monthly Capacity (MW)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,759	1,820	1,857	1,874	1,910	1,948	1,927	1,911	1,843	1,781	1,739	1,733
20%	1,741	1,785	1,831	1,862	1,896	1,921	1,906	1,876	1,790	1,741	1,704	1,695
30%	1,702	1,766	1,814	1,849	1,875	1,899	1,874	1,829	1,730	1,691	1,667	1,671
40%	1,670	1,728	1,780	1,830	1,861	1,871	1,843	1,796	1,697	1,649	1,634	1,637
50%	1,637	1,698	1,742	1,804	1,833	1,842	1,811	1,765	1,666	1,607	1,580	1,592
60%	1,609	1,658	1,719	1,774	1,805	1,830	1,789	1,727	1,641	1,579	1,560	1,550
70%	1,557	1,595	1,678	1,728	1,781	1,799	1,776	1,704	1,605	1,539	1,514	1,527
80%	1,493	1,532	1,600	1,666	1,721	1,744	1,702	1,660	1,573	1,488	1,483	1,467
90%	1,348	1,437	1,518	1,607	1,631	1,609	1,609	1,534	1,448	1,376	1,349	1,324
Long Term												
Full Simulation Period[a]	1,598	1,653	1,710	1,762	1,798	1,820	1,794	1,745	1,655	1,592	1,563	1,562
Water Year Types[b,c]												
Wet (32%)	1,739	1,782	1,815	1,846	1,885	1,920	1,902	1,877	1,799	1,750	1,716	1,712
Above Normal (15%)	1,641	1,693	1,742	1,818	1,852	1,871	1,843	1,805	1,700	1,646	1,608	1,616
Below Normal (17%)	1,603	1,652	1,719	1,735	1,781	1,816	1,793	1,736	1,638	1,583	1,565	1,569
Dry (22%)	1,571	1,620	1,687	1,745	1,781	1,791	1,759	1,693	1,609	1,527	1,513	1,518
Critical (15%)	1,285	1,383	1,475	1,578	1,605	1,600	1,562	1,484	1,387	1,303	1,264	1,242

Table 1-2c. CVP Facilities Total Capacity, Alternative 1B 011221 minus No Action Alternative 011221, Monthly Capacity (MW)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1	3	3	-1	0	0	0	0	0	0	1	0
20%	5	3	0	0	4	1	2	1	4	2	1	0
30%	1	-3	0	1	0	0	-1	6	-1	7	6	11
40%	-2	0	3	0	0	-5	0	3	0	4	8	3
50%	4	14	-1	3	0	-1	1	2	10	1	3	7
60%	6	12	9	2	2	2	4	9	7	6	10	-3
70%	6	3	1	4	3	4	8	4	10	9	7	5
80%	-2	-2	6	-8	-1	0	1	2	-1	2	6	-18
90%	-1	8	15	4	6	-5	7	15	-7	5	9	5
Long Term												
Full Simulation Period[a]	2	3	2	1	1	0	2	4	4	5	4	5
Water Year Types[b,c]												
Wet (32%)	1	1	1	0	0	0	0	1	1	0	0	0
Above Normal (15%)	7	5	4	1	0	0	-2	4	7	9	9	8
Below Normal (17%)	5	9	5	0	-1	-2	1	4	-2	6	6	8
Dry (22%)	1	0	-1	3	2	3	4	7	5	4	3	0
Critical (15%)	-1	4	1	2	2	2	8	10	10	10	6	19

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 1-3a. CVP Facilities Total Capacity, No Action Alternative 011221, Monthly Capacity (MW)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,759	1,817	1,853	1,875	1,910	1,948	1,927	1,911	1,843	1,781	1,738	1,733
20%	1,736	1,782	1,831	1,862	1,892	1,920	1,904	1,875	1,786	1,738	1,703	1,695
30%	1,701	1,769	1,814	1,848	1,875	1,899	1,875	1,823	1,731	1,684	1,661	1,660
40%	1,673	1,728	1,778	1,830	1,861	1,875	1,843	1,793	1,698	1,645	1,626	1,634
50%	1,632	1,683	1,743	1,801	1,833	1,843	1,810	1,763	1,656	1,607	1,578	1,586
60%	1,603	1,646	1,710	1,771	1,803	1,828	1,785	1,718	1,633	1,573	1,551	1,554
70%	1,551	1,592	1,677	1,724	1,778	1,795	1,769	1,699	1,595	1,530	1,508	1,522
80%	1,494	1,534	1,594	1,674	1,723	1,744	1,701	1,658	1,574	1,486	1,477	1,485
90%	1,349	1,430	1,503	1,603	1,625	1,615	1,602	1,519	1,455	1,371	1,340	1,319
Long Term												
Full Simulation Period[a]	1,596	1,650	1,709	1,761	1,798	1,820	1,792	1,740	1,651	1,587	1,560	1,557
Water Year Types[b,c]												
Wet (32%)	1,738	1,782	1,815	1,845	1,884	1,920	1,902	1,877	1,798	1,750	1,715	1,712
Above Normal (15%)	1,634	1,689	1,738	1,818	1,851	1,871	1,845	1,801	1,693	1,637	1,600	1,608
Below Normal (17%)	1,598	1,642	1,714	1,736	1,781	1,818	1,792	1,732	1,639	1,577	1,559	1,561
Dry (22%)	1,569	1,620	1,688	1,743	1,779	1,788	1,755	1,687	1,604	1,523	1,510	1,518
Critical (15%)	1,286	1,379	1,474	1,576	1,602	1,599	1,554	1,474	1,377	1,294	1,258	1,223

Table 1-3b. CVP Facilities Total Capacity, Alternative 2 011221, Monthly Capacity (MW)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,759	1,820	1,857	1,875	1,910	1,948	1,927	1,911	1,843	1,781	1,740	1,733
20%	1,739	1,784	1,831	1,862	1,895	1,921	1,906	1,877	1,787	1,739	1,703	1,695
30%	1,703	1,768	1,814	1,849	1,875	1,899	1,874	1,824	1,735	1,687	1,665	1,668
40%	1,672	1,728	1,777	1,830	1,861	1,875	1,845	1,794	1,695	1,649	1,630	1,632
50%	1,632	1,697	1,743	1,802	1,833	1,844	1,810	1,763	1,657	1,605	1,580	1,589
60%	1,605	1,655	1,717	1,774	1,804	1,830	1,785	1,724	1,635	1,575	1,552	1,554
70%	1,556	1,595	1,678	1,726	1,780	1,803	1,773	1,702	1,597	1,531	1,509	1,524
80%	1,489	1,530	1,595	1,666	1,721	1,744	1,702	1,668	1,587	1,490	1,480	1,466
90%	1,345	1,436	1,507	1,604	1,630	1,607	1,606	1,531	1,444	1,373	1,345	1,318
Long Term												
Full Simulation Period[a]	1,596	1,652	1,709	1,761	1,798	1,820	1,793	1,743	1,653	1,589	1,561	1,560
Water Year Types[b,c]												
Wet (32%)	1,738	1,782	1,815	1,845	1,884	1,920	1,902	1,877	1,799	1,750	1,716	1,713
Above Normal (15%)	1,636	1,690	1,739	1,818	1,852	1,871	1,845	1,802	1,694	1,639	1,602	1,610
Below Normal (17%)	1,603	1,650	1,717	1,735	1,780	1,817	1,793	1,734	1,637	1,578	1,561	1,565
Dry (22%)	1,570	1,620	1,686	1,744	1,781	1,790	1,757	1,691	1,607	1,525	1,510	1,516
Critical (15%)	1,282	1,380	1,473	1,576	1,602	1,598	1,559	1,481	1,383	1,299	1,260	1,238

Table 1-3c. CVP Facilities Total Capacity, Alternative 2 011221 minus No Action Alternative 011221, Monthly Capacity (MW)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1	3	3	-1	0	0	0	0	0	0	2	0
20%	3	2	0	0	3	1	2	1	0	1	1	0
30%	2	-1	0	2	0	0	-1	1	4	3	4	8
40%	-1	0	0	0	0	-1	1	1	-3	5	4	-1
50%	0	14	0	1	0	1	1	0	2	-2	2	4
60%	2	9	8	2	1	1	0	6	2	2	2	0
70%	5	4	1	2	1	8	5	2	2	1	2	2
80%	-6	-5	1	-9	-2	0	1	10	13	4	2	-19
90%	-4	7	4	1	5	-8	4	11	-11	2	5	-1
Long Term												
Full Simulation Period[a]	1	2	0	0	0	0	1	3	2	2	1	3
Water Year Types[b,c]												
Wet (32%)	0	1	0	0	0	0	0	1	1	0	0	0
Above Normal (15%)	1	1	1	1	0	0	0	1	1	2	2	2
Below Normal (17%)	5	7	3	-1	-1	-1	0	2	-2	1	2	3
Dry (22%)	0	0	-2	1	1	1	2	4	4	2	0	-3
Critical (15%)	-4	1	-1	0	0	-1	5	7	6	6	2	15

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 1-4a. CVP Facilities Total Capacity, No Action Alternative 011221, Monthly Capacity (MW)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,759	1,817	1,853	1,875	1,910	1,948	1,927	1,911	1,843	1,781	1,738	1,733
20%	1,736	1,782	1,831	1,862	1,892	1,920	1,904	1,875	1,786	1,738	1,703	1,695
30%	1,701	1,769	1,814	1,848	1,875	1,899	1,875	1,823	1,731	1,684	1,661	1,660
40%	1,673	1,728	1,778	1,830	1,861	1,875	1,843	1,793	1,698	1,645	1,626	1,634
50%	1,632	1,683	1,743	1,801	1,833	1,843	1,810	1,763	1,656	1,607	1,578	1,586
60%	1,603	1,646	1,710	1,771	1,803	1,828	1,785	1,718	1,633	1,573	1,551	1,554
70%	1,551	1,592	1,677	1,724	1,778	1,795	1,769	1,699	1,595	1,530	1,508	1,522
80%	1,494	1,534	1,594	1,674	1,723	1,744	1,701	1,658	1,574	1,486	1,477	1,485
90%	1,349	1,430	1,503	1,603	1,625	1,615	1,602	1,519	1,455	1,371	1,340	1,319
Long Term												
Full Simulation Period[a]	1,596	1,650	1,709	1,761	1,798	1,820	1,792	1,740	1,651	1,587	1,560	1,557
Water Year Types[b,c]												
Wet (32%)	1,738	1,782	1,815	1,845	1,884	1,920	1,902	1,877	1,798	1,750	1,715	1,712
Above Normal (15%)	1,634	1,689	1,738	1,818	1,851	1,871	1,845	1,801	1,693	1,637	1,600	1,608
Below Normal (17%)	1,598	1,642	1,714	1,736	1,781	1,818	1,792	1,732	1,639	1,577	1,559	1,561
Dry (22%)	1,569	1,620	1,688	1,743	1,779	1,788	1,755	1,687	1,604	1,523	1,510	1,518
Critical (15%)	1,286	1,379	1,474	1,576	1,602	1,599	1,554	1,474	1,377	1,294	1,258	1,223

Table 1-4b. CVP Facilities Total Capacity, Alternative 3 020121, Monthly Capacity (MW)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,765	1,818	1,856	1,874	1,910	1,947	1,923	1,899	1,842	1,785	1,747	1,739
20%	1,743	1,788	1,831	1,862	1,896	1,921	1,906	1,873	1,789	1,742	1,710	1,702
30%	1,703	1,769	1,814	1,853	1,878	1,900	1,873	1,830	1,736	1,701	1,672	1,677
40%	1,675	1,729	1,792	1,834	1,861	1,870	1,846	1,799	1,697	1,656	1,643	1,647
50%	1,654	1,704	1,746	1,803	1,834	1,842	1,807	1,765	1,669	1,623	1,590	1,608
60%	1,624	1,661	1,729	1,782	1,809	1,832	1,790	1,733	1,648	1,588	1,572	1,570
70%	1,569	1,599	1,679	1,739	1,784	1,802	1,775	1,713	1,615	1,545	1,525	1,538
80%	1,525	1,542	1,608	1,673	1,726	1,747	1,707	1,666	1,586	1,504	1,489	1,491
90%	1,355	1,442	1,529	1,612	1,641	1,618	1,614	1,538	1,460	1,389	1,348	1,322
Long Term												
Full Simulation Period[a]	1,605	1,657	1,714	1,764	1,800	1,822	1,794	1,748	1,660	1,599	1,571	1,570
Water Year Types[b,c]												
Wet (32%)	1,738	1,782	1,815	1,846	1,885	1,920	1,901	1,875	1,798	1,751	1,716	1,712
Above Normal (15%)	1,654	1,700	1,748	1,819	1,852	1,872	1,843	1,805	1,703	1,656	1,621	1,628
Below Normal (17%)	1,612	1,657	1,723	1,739	1,784	1,818	1,795	1,743	1,649	1,595	1,578	1,580
Dry (22%)	1,585	1,629	1,694	1,750	1,785	1,793	1,760	1,700	1,618	1,539	1,526	1,532
Critical (15%)	1,290	1,386	1,478	1,582	1,608	1,604	1,565	1,491	1,392	1,309	1,269	1,249

Table 1-4c. CVP Facilities Total Capacity, Alternative 3 020121 minus No Action Alternative 011221, Monthly Capacity (MW)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	6	1	2	-2	0	-1	-4	-12	-1	3	9	6
20%	7	6	0	0	4	1	1	-2	2	4	7	7
30%	3	0	-1	5	3	1	-2	7	4	17	11	17
40%	3	1	14	4	0	-5	3	7	0	12	17	13
50%	21	20	3	2	1	-1	-2	2	13	17	12	22
60%	21	14	20	11	6	4	5	15	15	15	21	17
70%	18	8	2	15	6	7	6	14	20	15	18	16
80%	30	7	14	-2	4	2	6	8	11	18	12	6
90%	6	12	25	9	17	3	12	19	5	18	9	3
Long Term												
Full Simulation Period[a]	9	7	5	3	3	2	3	7	9	12	12	13
Water Year Types[b,c]												
Wet (32%)	0	0	0	0	0	0	0	-1	0	1	1	0
Above Normal (15%)	19	12	10	2	1	0	-2	4	10	18	21	19
Below Normal (17%)	14	14	9	3	2	0	2	11	10	18	19	19
Dry (22%)	15	9	6	7	6	5	5	13	15	16	16	14
Critical (15%)	4	7	5	6	6	5	12	17	15	15	11	26

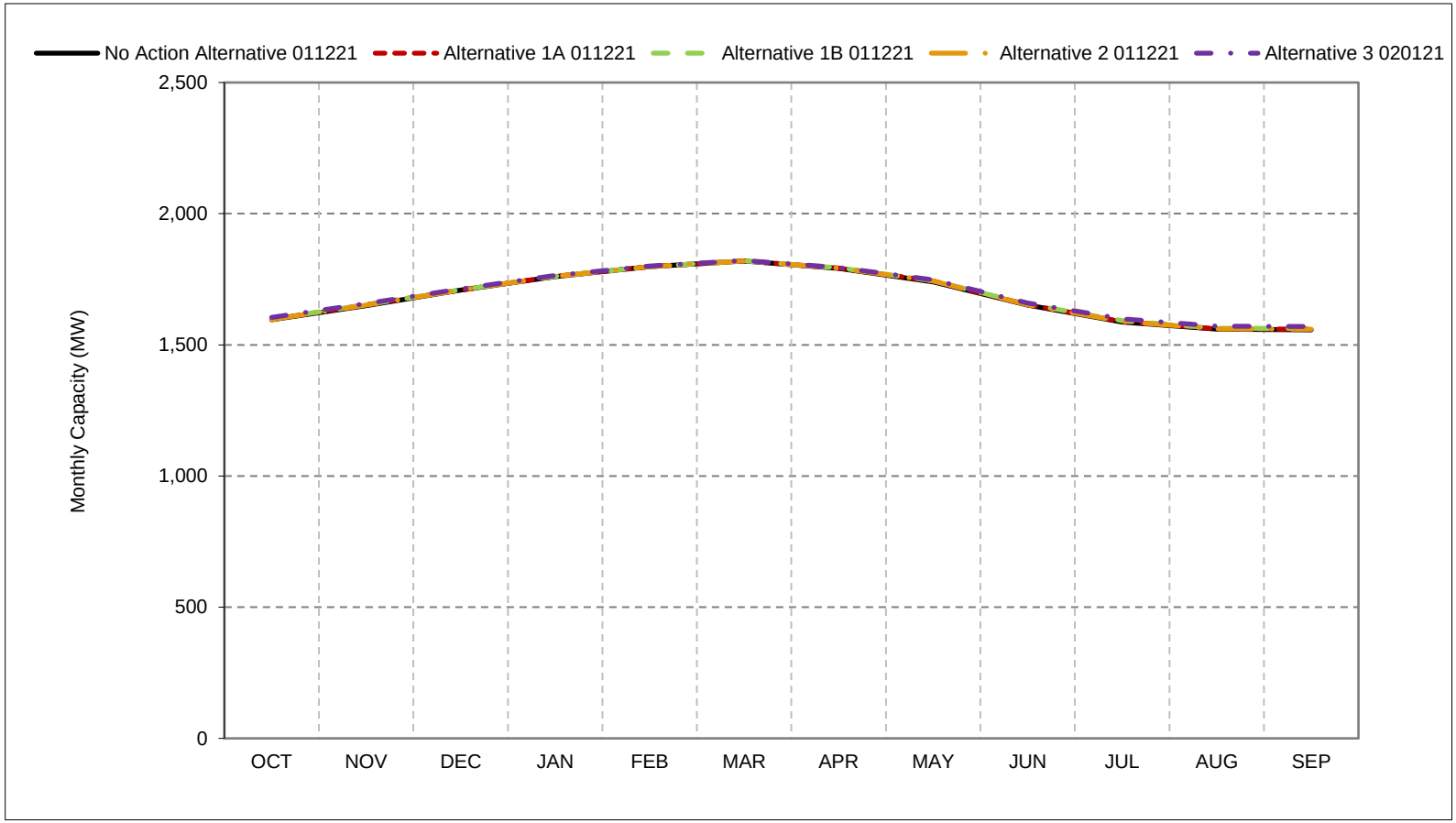
a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 1-1. CVP Facilities Total Capacity, Long-Term Average Capacity

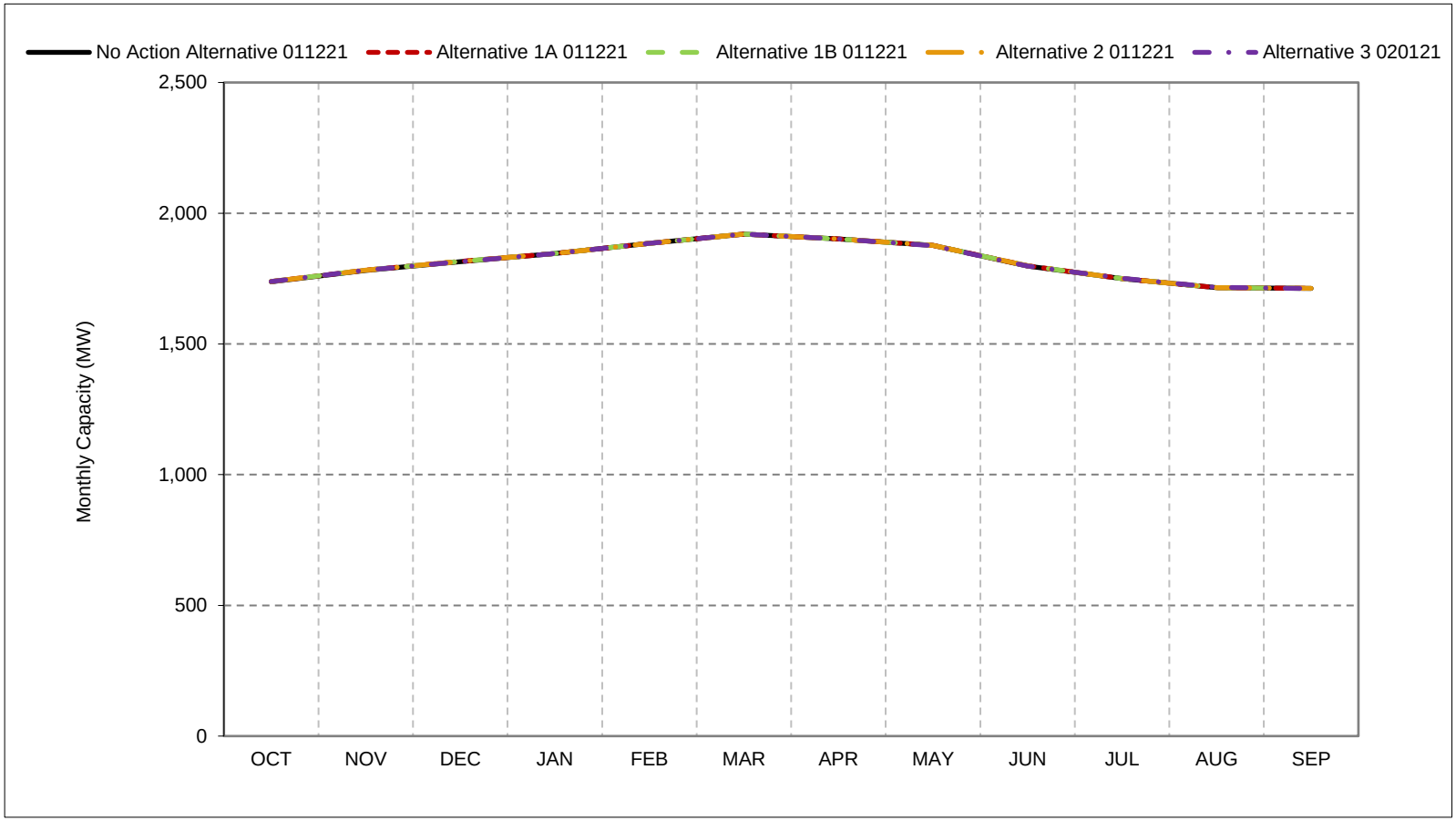


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 1-2. CVP Facilities Total Capacity, Wet Year Average Capacity

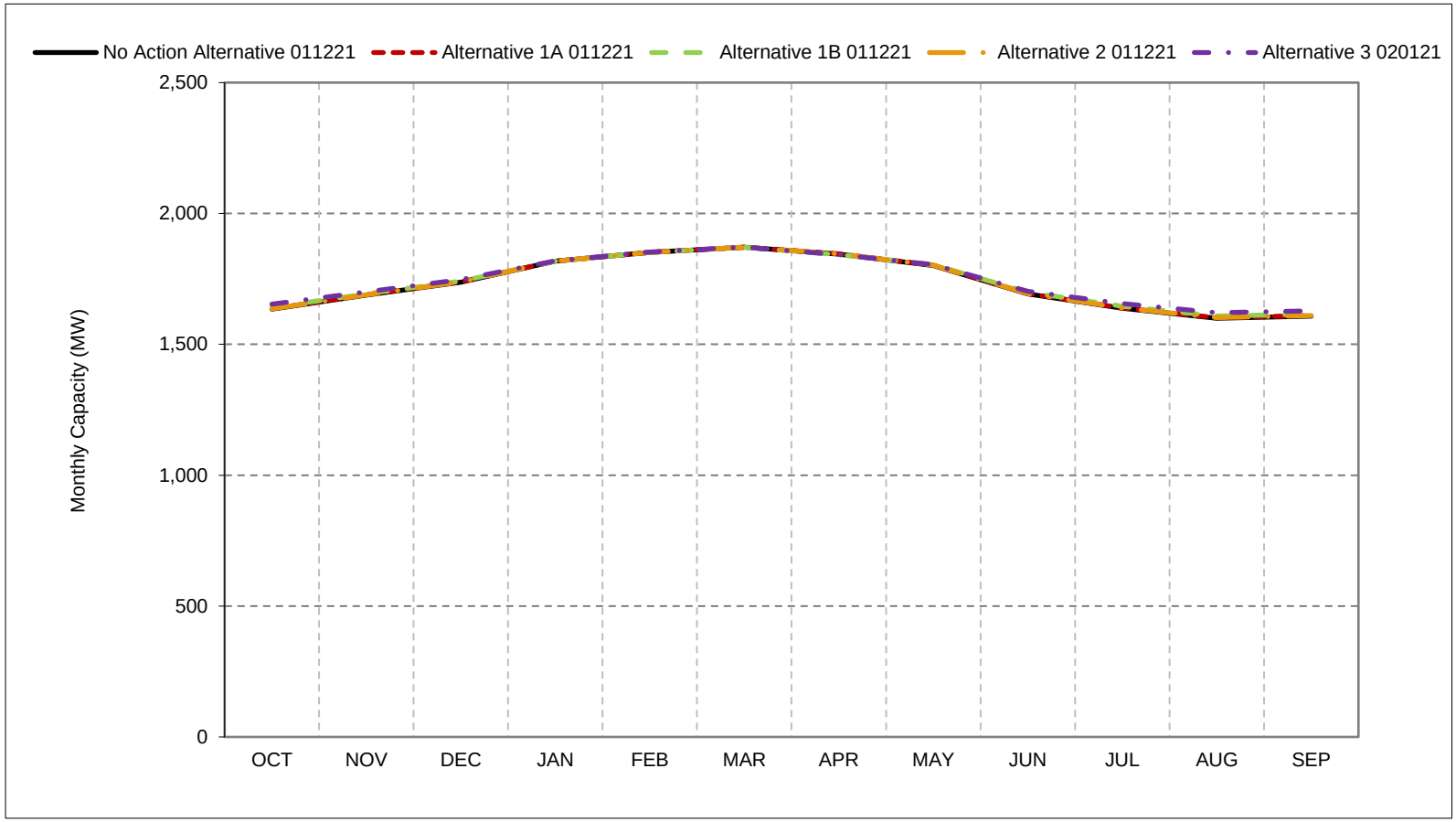


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 1-3. CVP Facilities Total Capacity, Above Normal Year Average Capacity

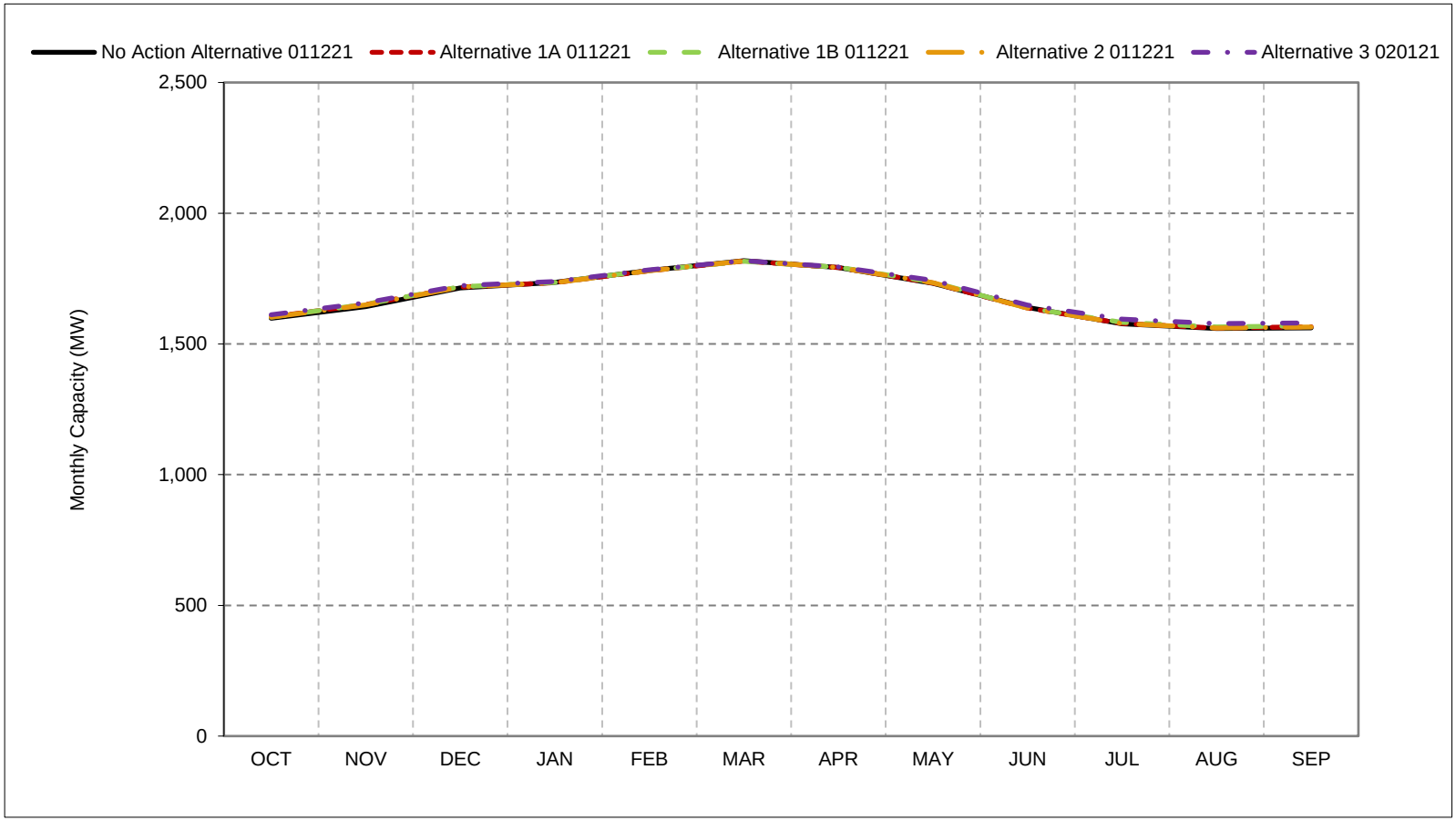


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 1-4. CVP Facilities Total Capacity, Below Normal Year Average Capacity

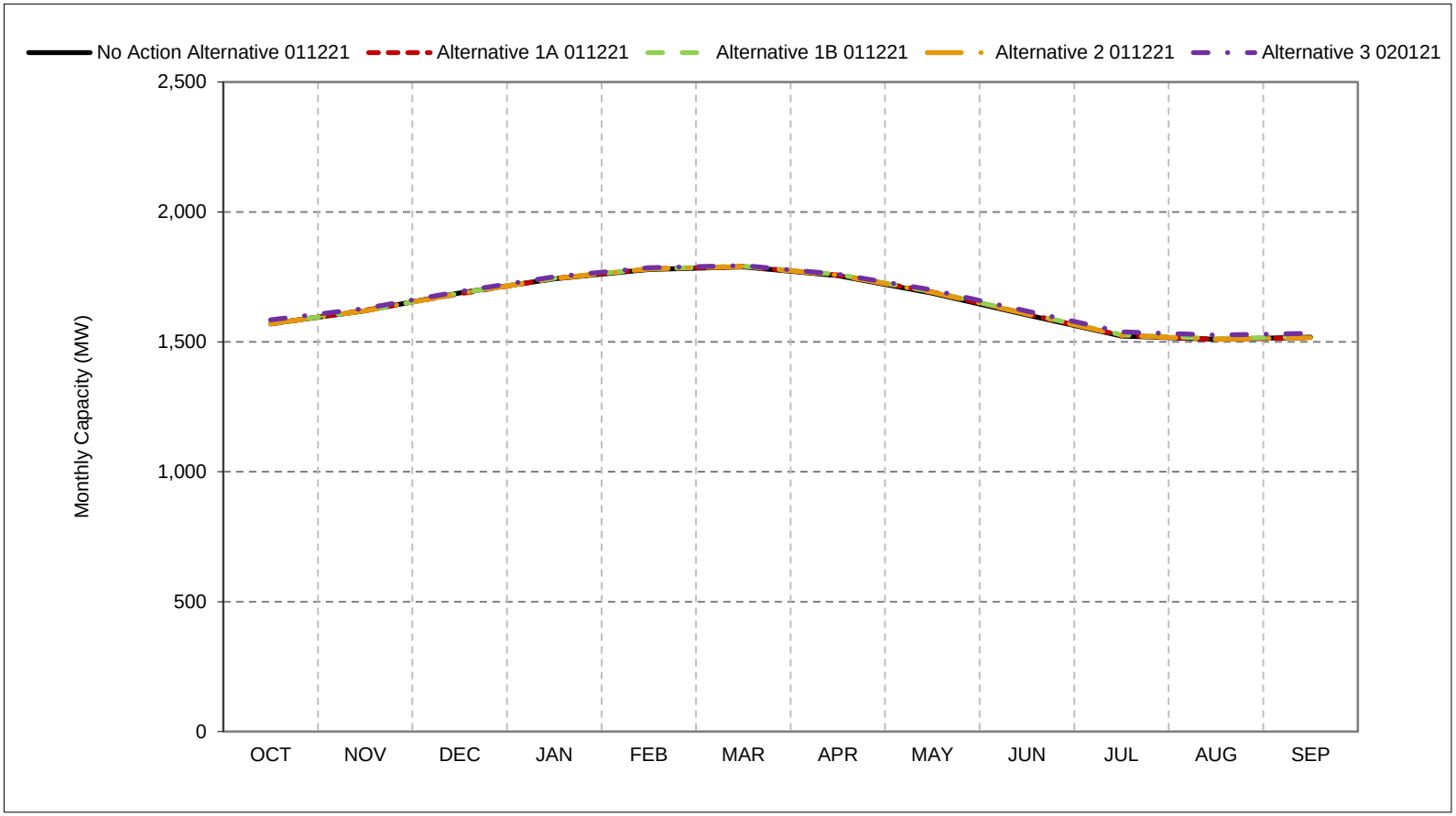


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 1-5. CVP Facilities Total Capacity, Dry Year Average Capacity

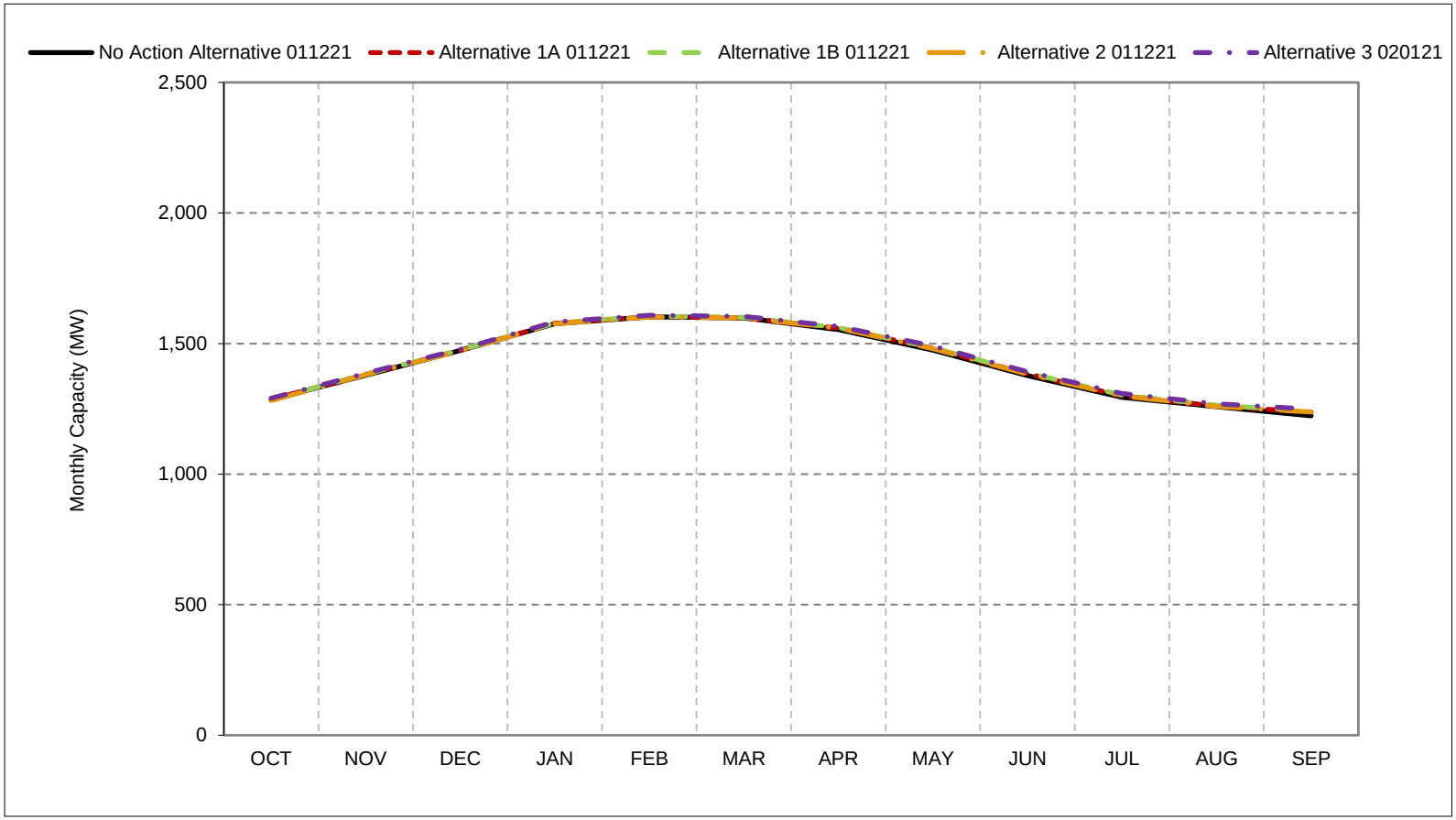


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 1-6. CVP Facilities Total Capacity, Critical Year Average Capacity

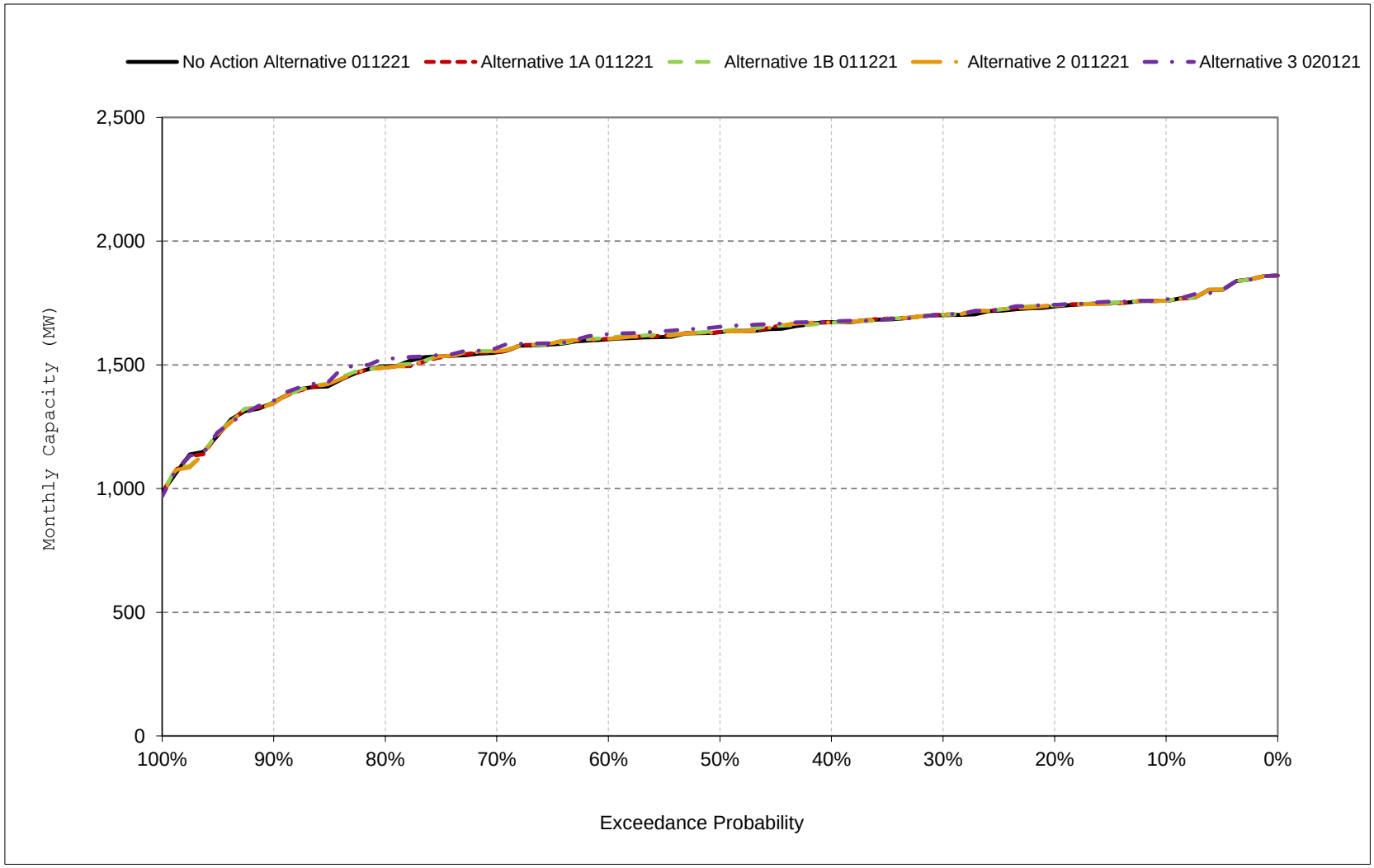


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

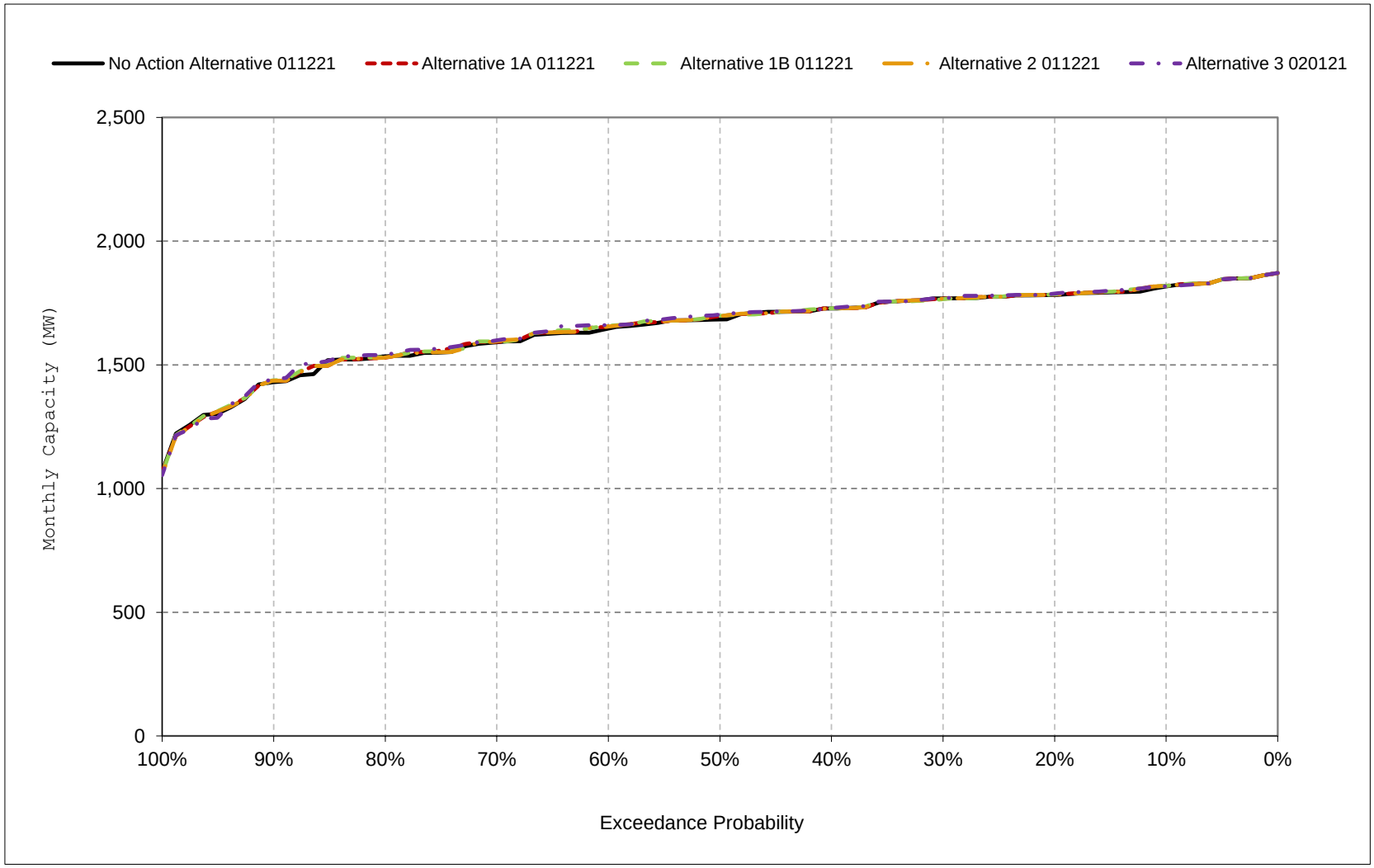
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 1-7. CVP Facilities Total Capacity, October



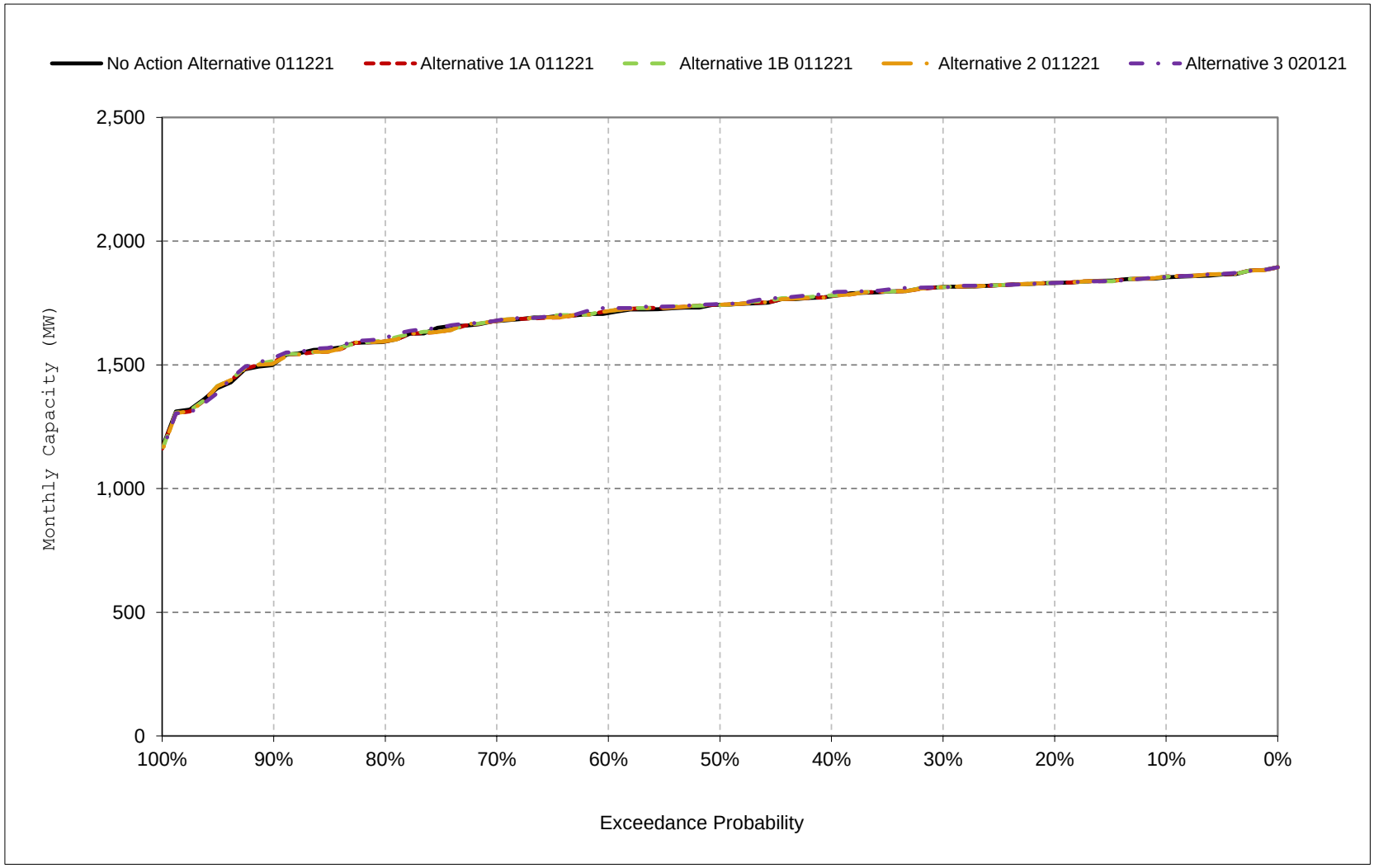
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 1-8. CVP Facilities Total Capacity, November



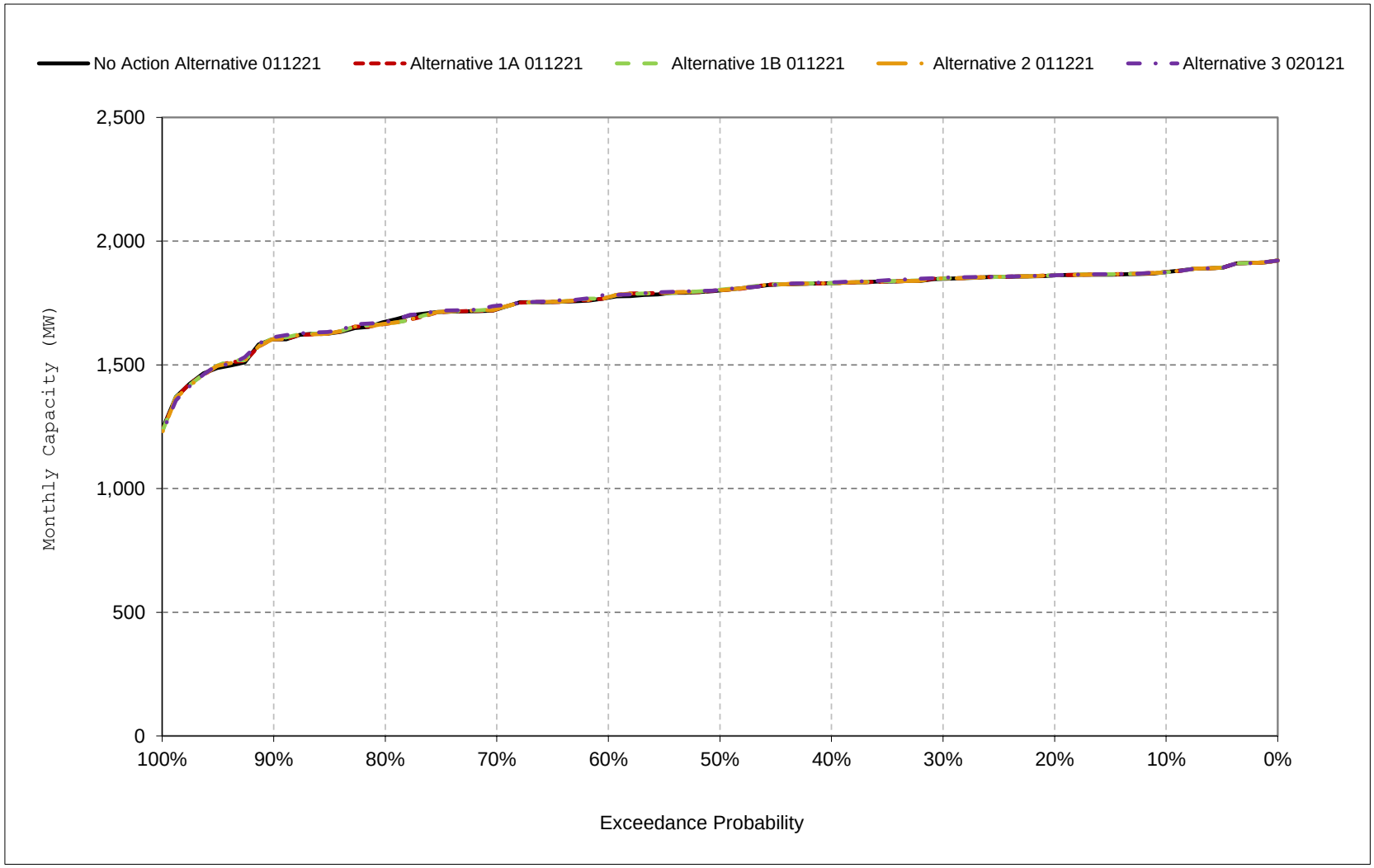
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 1-9. CVP Facilities Total Capacity, December



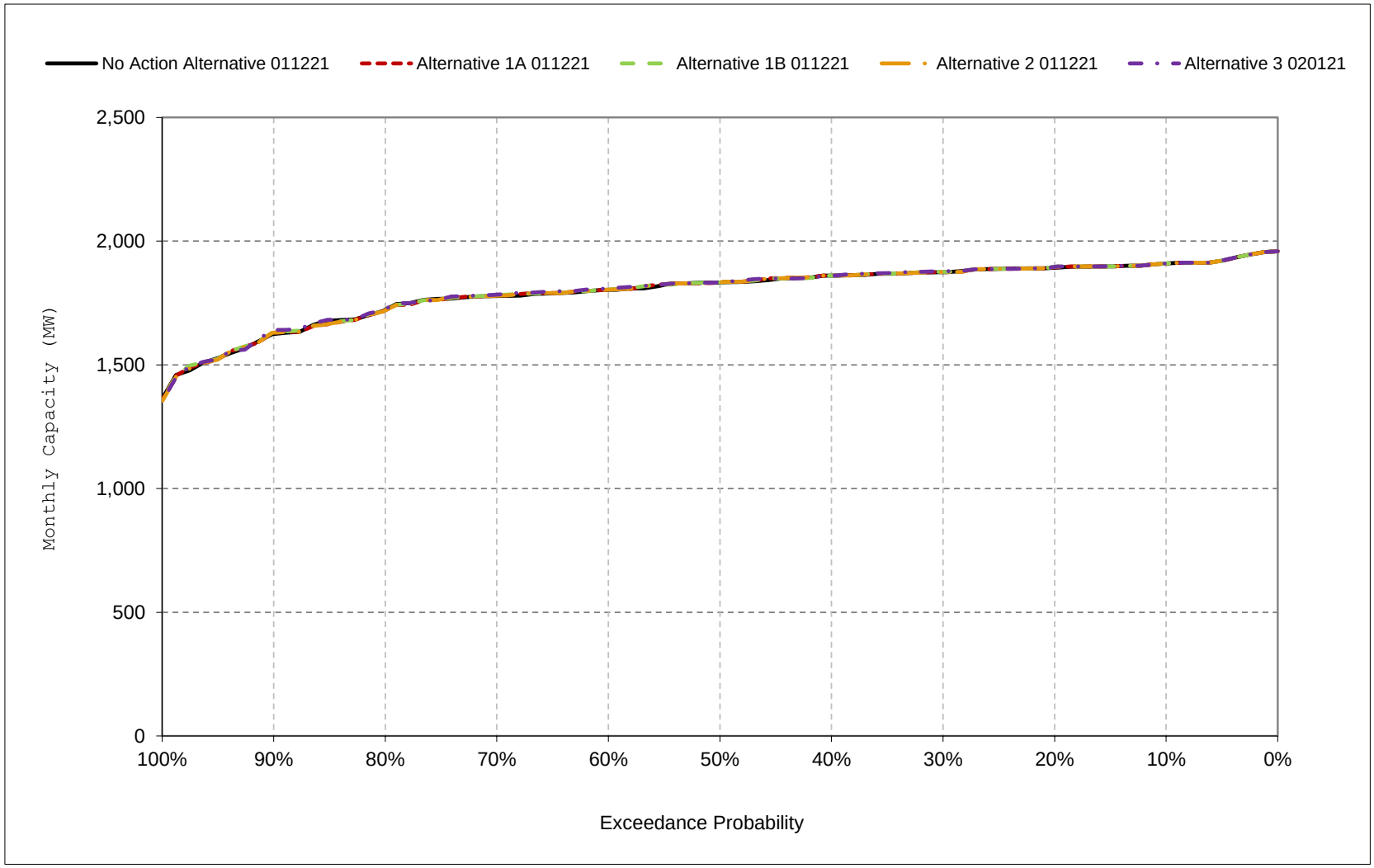
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 1-10. CVP Facilities Total Capacity, January



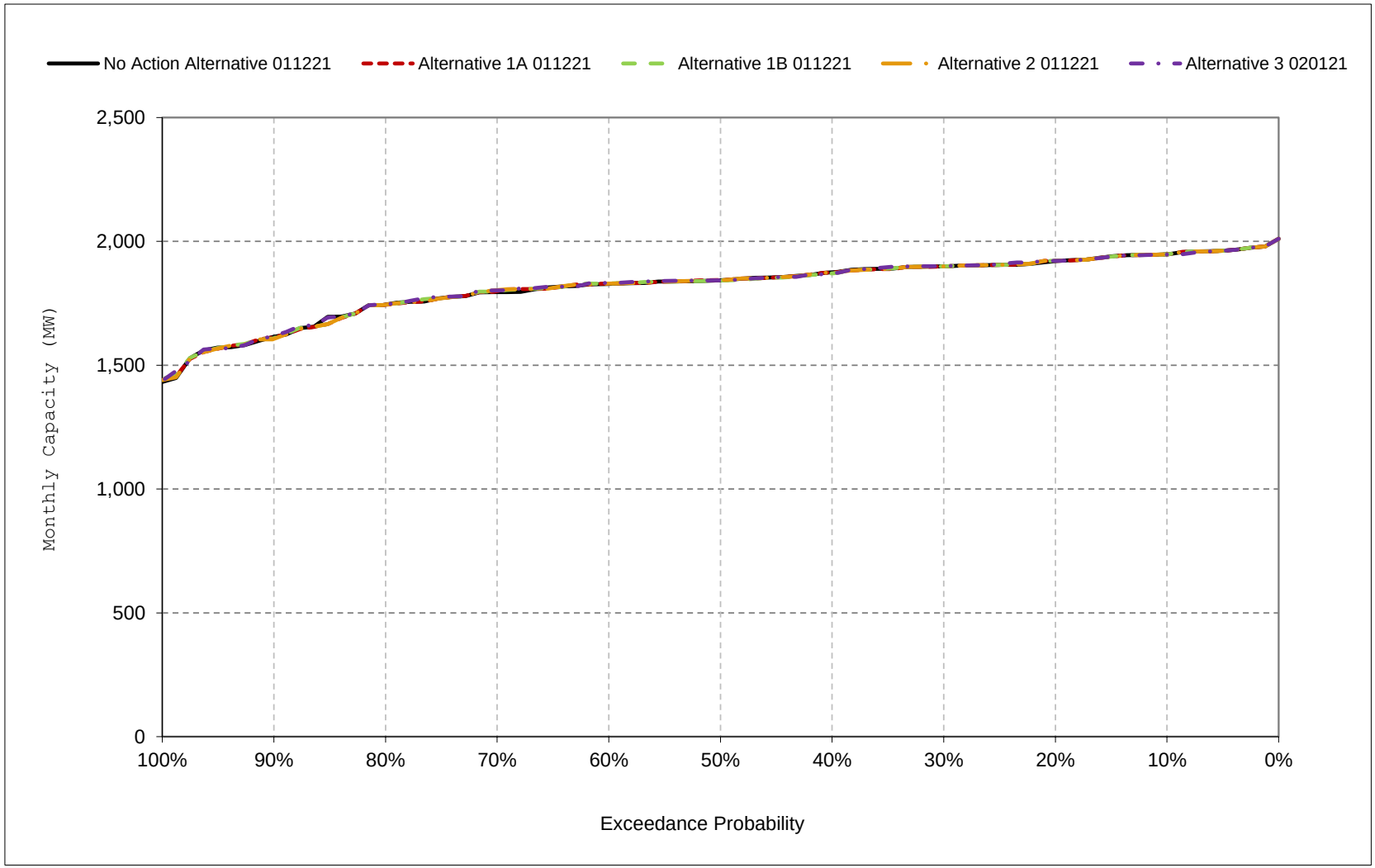
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 1-11. CVP Facilities Total Capacity, February



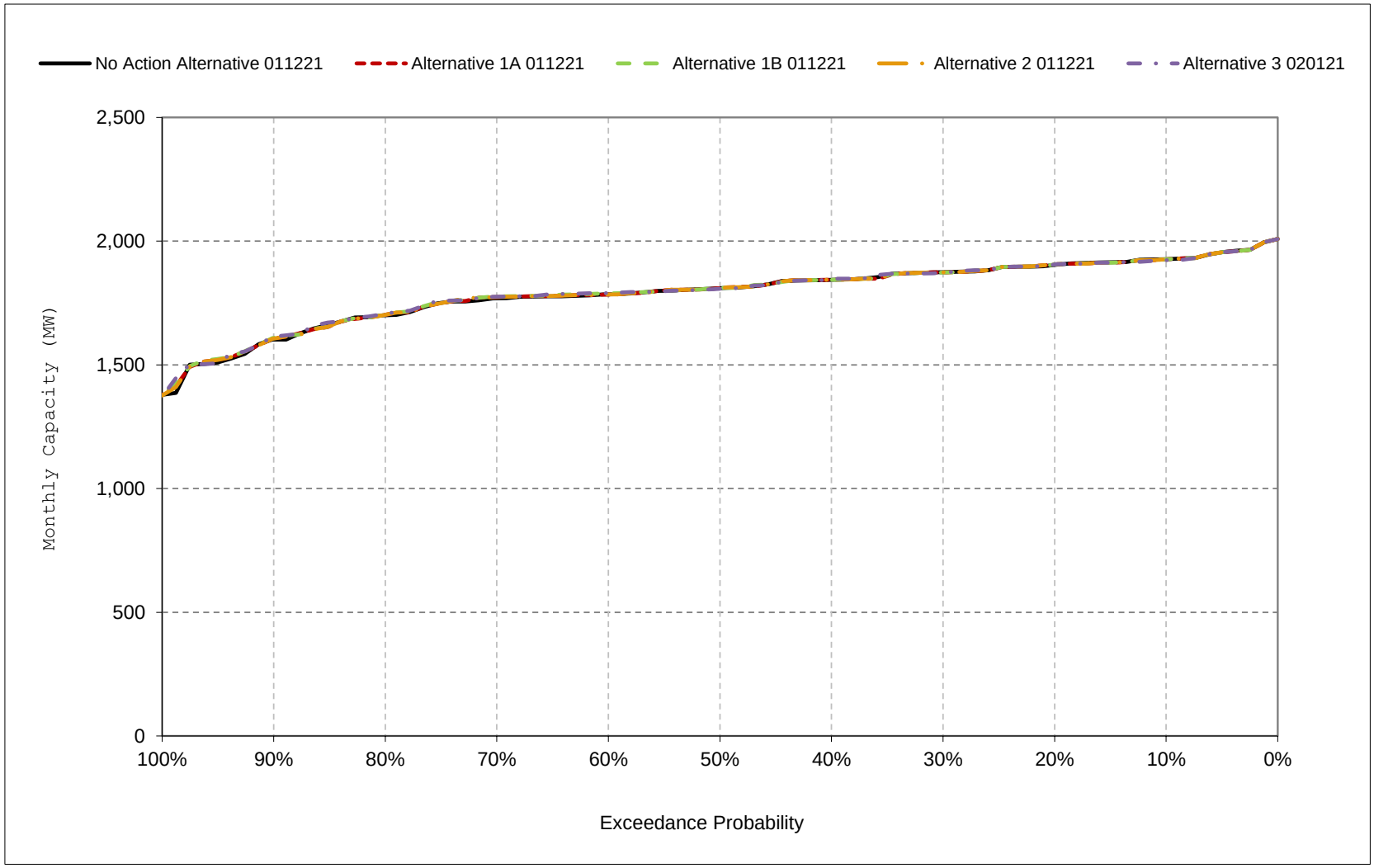
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 1-12. CVP Facilities Total Capacity, March



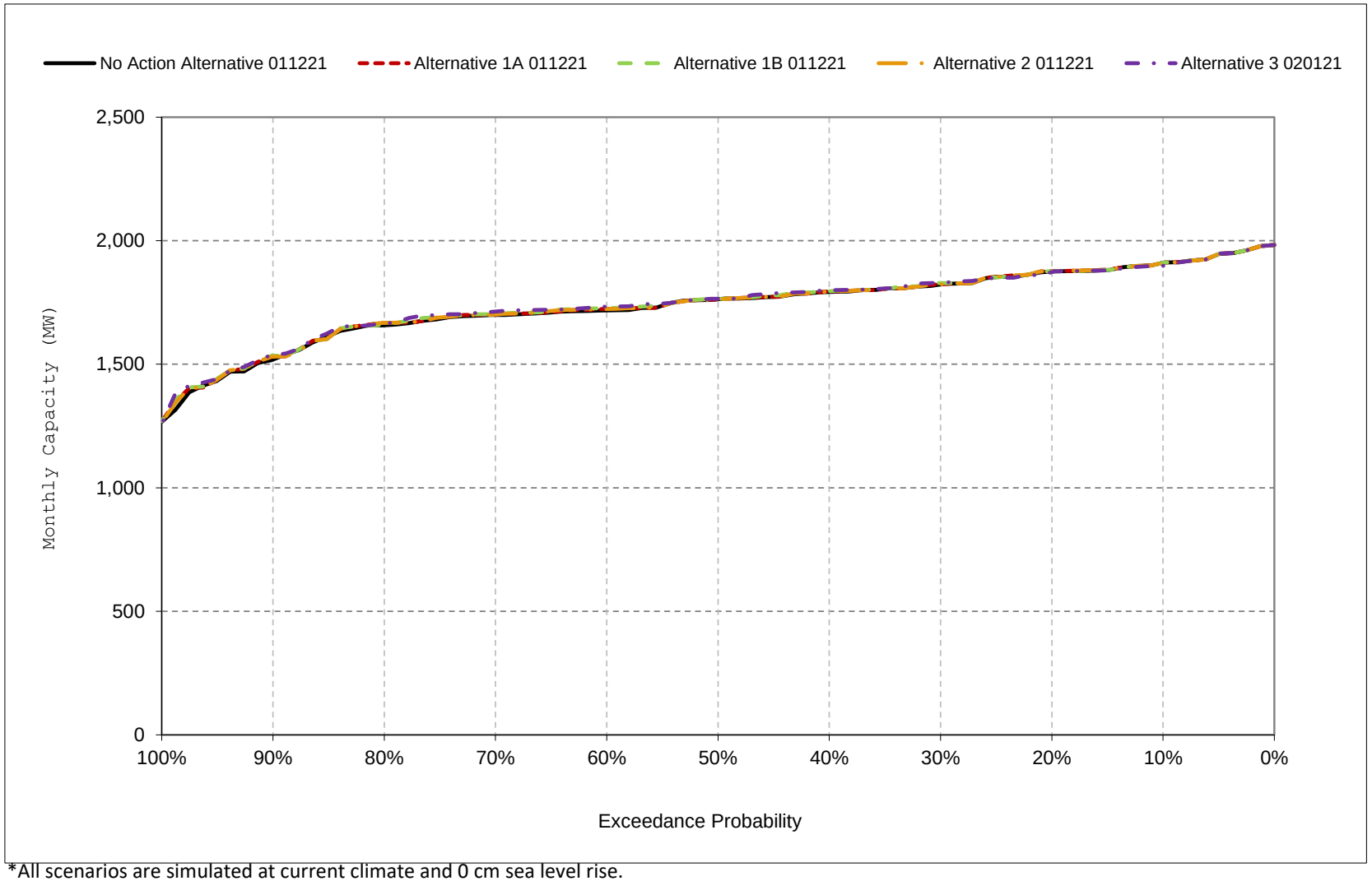
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 1-13. CVP Facilities Total Capacity, April



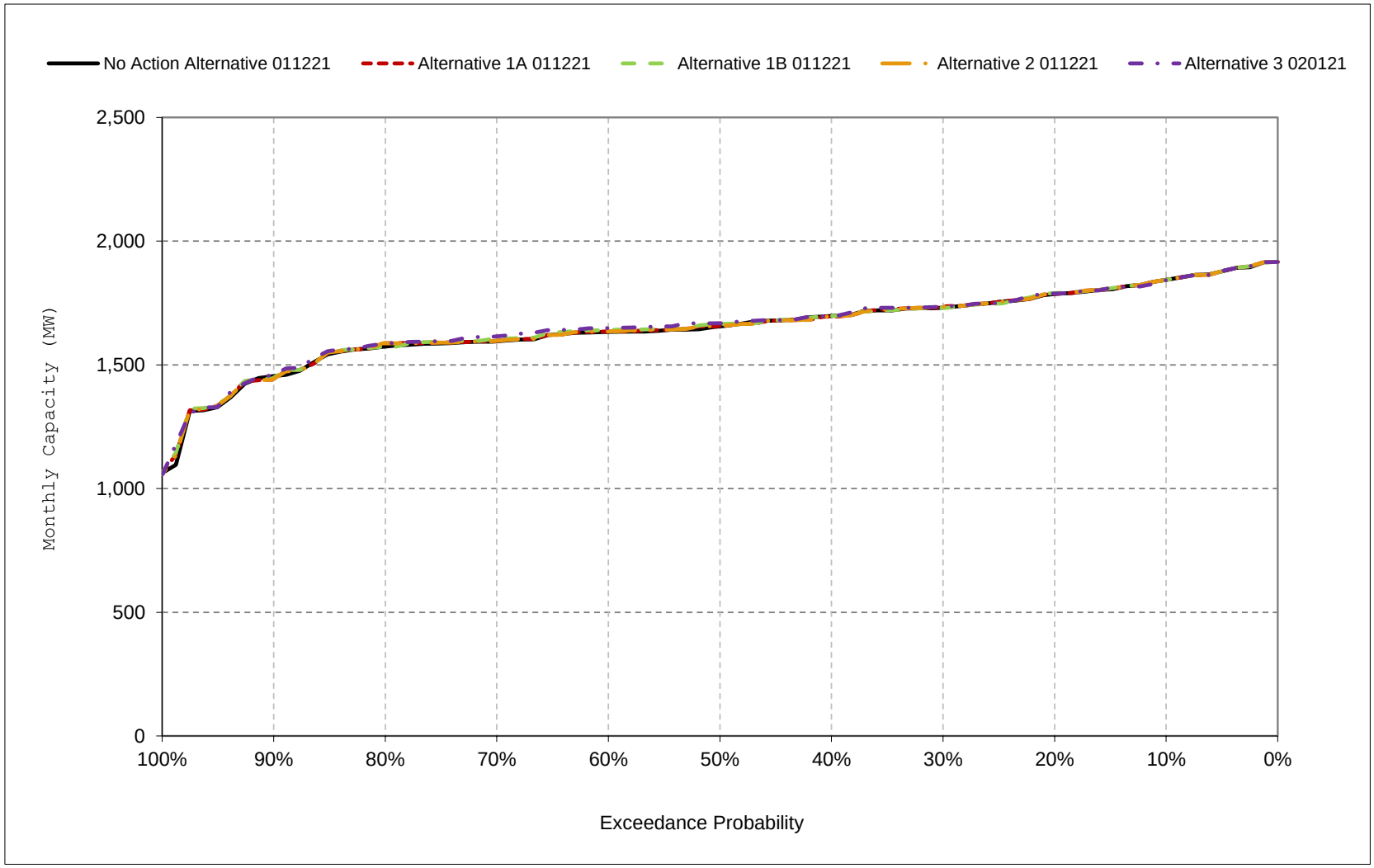
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 1-14. CVP Facilities Total Capacity, May



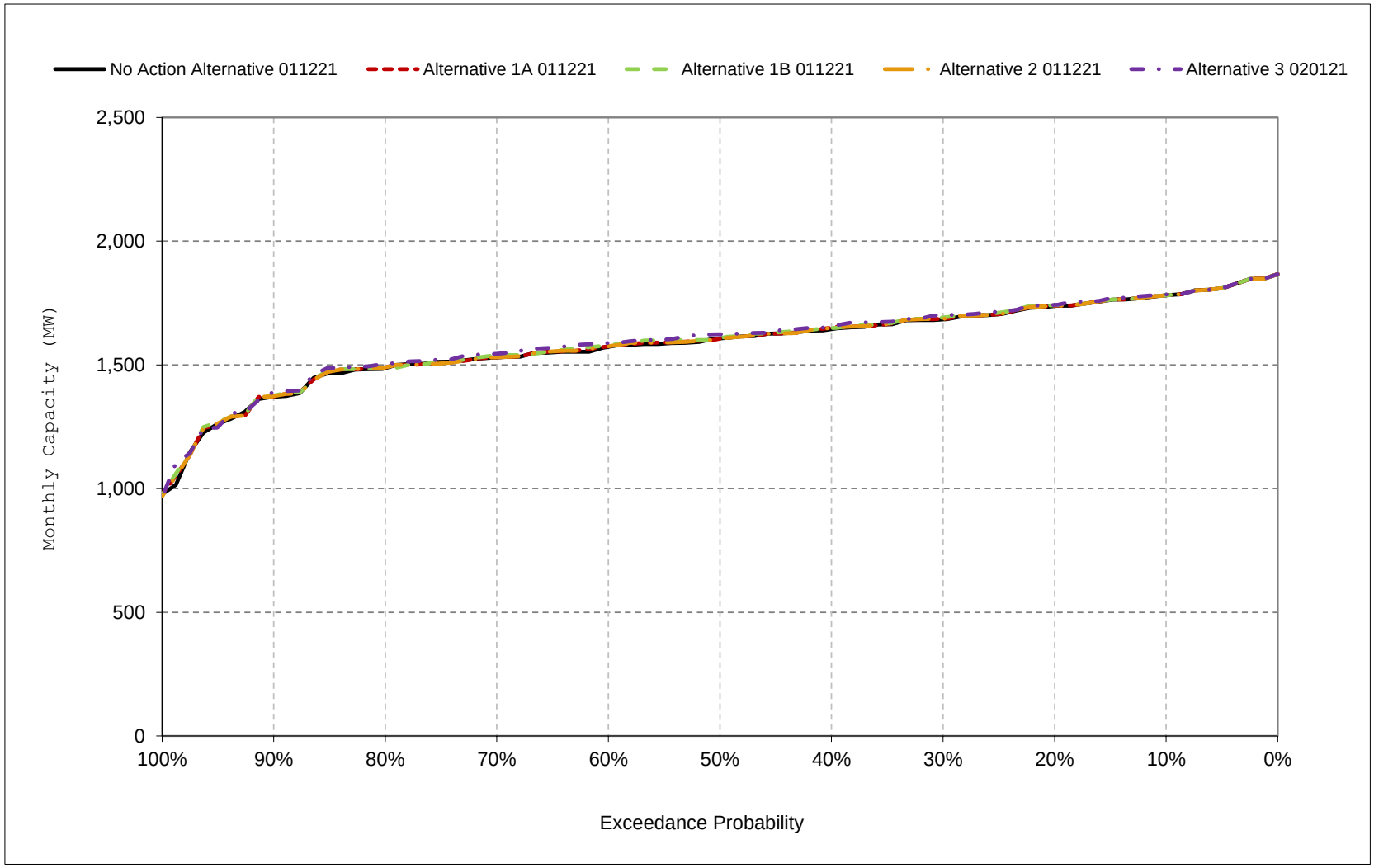
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 1-15. CVP Facilities Total Capacity, June



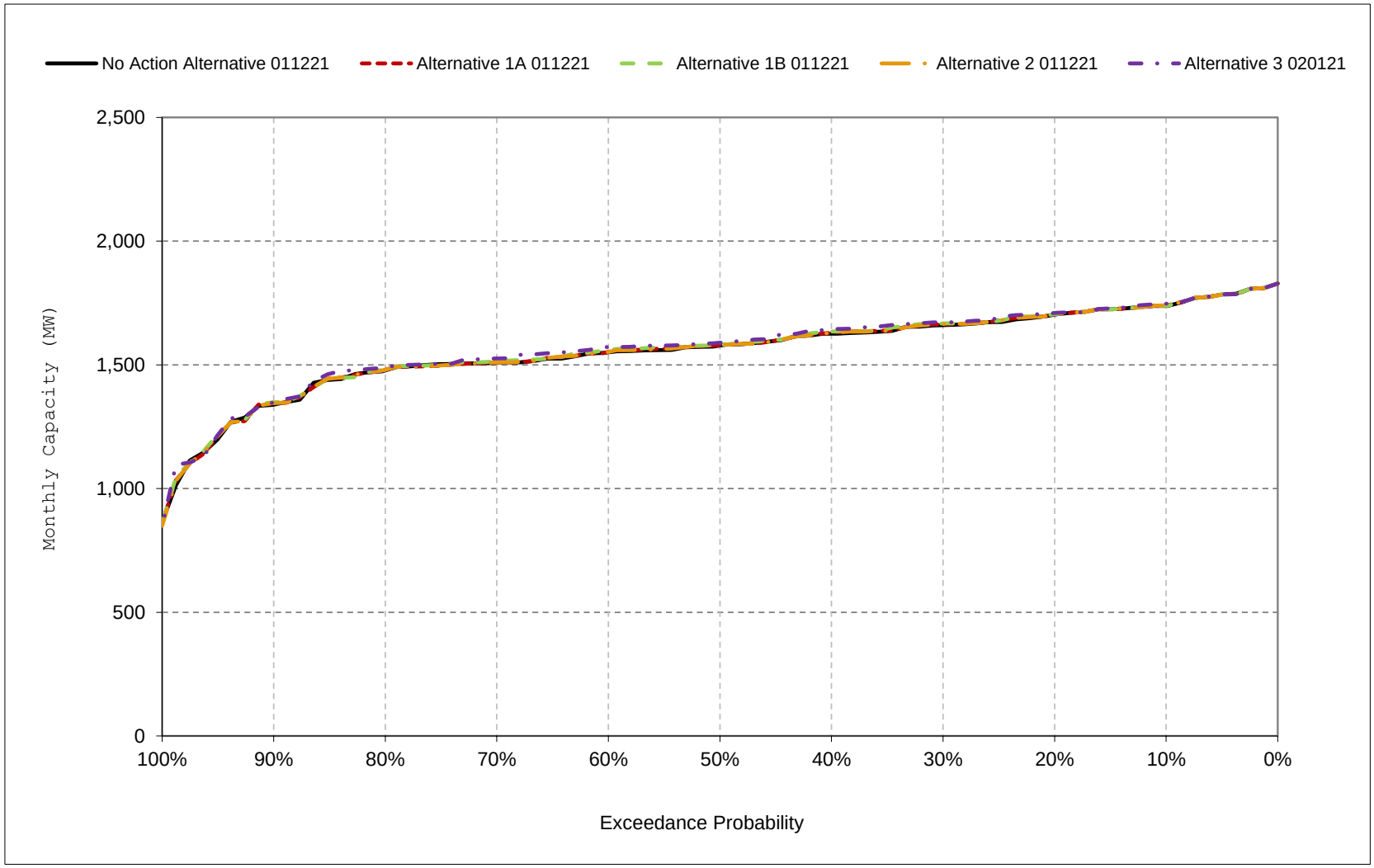
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 1-16. CVP Facilities Total Capacity, July



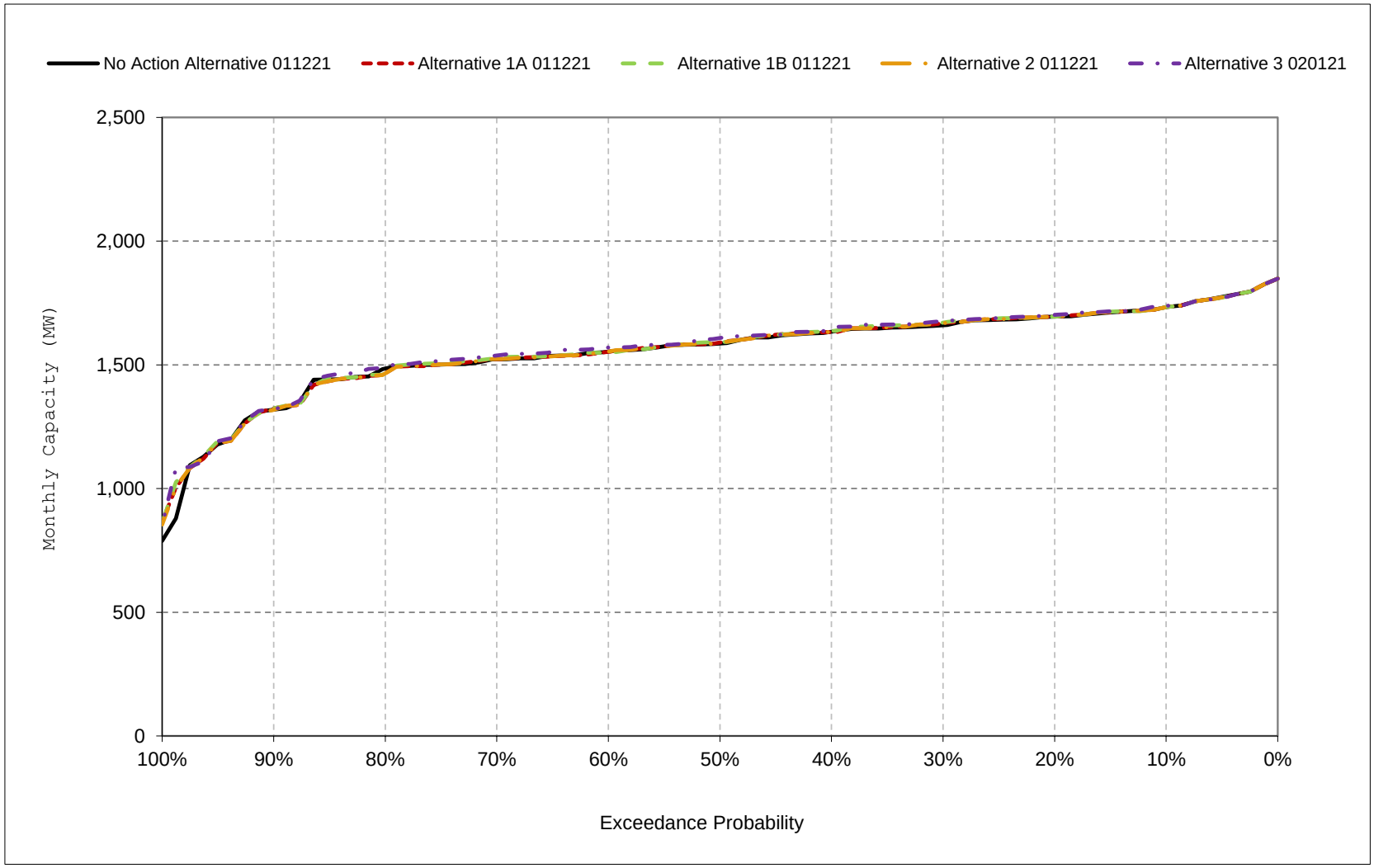
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 1-17. CVP Facilities Total Capacity, August



*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 1-18. CVP Facilities Total Capacity, September



*All scenarios are simulated at current climate and 0 cm sea level rise.

Table 2-1a. CVP Facilities Total Generation, No Action Alternative 011221, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	434	352	676	724	715	746	502	700	607	803	644	559
20%	418	295	433	522	642	567	376	633	563	752	603	518
30%	291	270	273	387	406	448	317	547	555	713	564	453
40%	275	247	217	255	292	284	298	515	544	671	543	411
50%	260	228	181	197	199	227	269	493	523	647	519	336
60%	247	199	168	176	164	185	245	471	503	627	503	313
70%	238	185	155	152	143	162	236	459	491	597	481	271
80%	198	163	141	142	131	152	222	413	458	554	443	257
90%	167	127	115	127	124	136	199	327	394	460	375	204
Long Term												
Full Simulation Period[a]	282	244	283	325	333	341	316	510	518	648	523	371
Water Year Types[b,c]												
Wet (32%)	383	313	358	570	537	555	436	635	580	712	602	513
Above Normal (15%)	280	303	277	333	445	433	334	564	534	727	574	445
Below Normal (17%)	256	228	302	203	274	220	267	484	518	675	514	321
Dry (22%)	224	187	271	160	148	186	240	434	508	613	482	267
Critical (15%)	184	139	123	176	124	161	212	329	383	452	370	200

Table 2-1b. CVP Facilities Total Generation, Alternative 1A 011221, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	434	350	679	724	715	746	502	700	601	805	650	559
20%	418	297	430	522	642	567	376	633	573	754	603	518
30%	291	272	268	387	406	452	318	544	552	713	562	455
40%	279	250	213	263	292	275	295	515	534	674	544	411
50%	258	230	182	195	197	227	269	492	511	655	525	340
60%	248	204	168	176	163	185	245	468	502	628	508	317
70%	239	187	160	153	140	162	235	448	489	601	484	277
80%	201	166	145	142	131	154	222	376	454	556	438	264
90%	176	132	116	125	124	136	198	320	396	461	377	211
Long Term												
Full Simulation Period[a]	285	245	284	325	333	341	316	505	515	650	524	373
Water Year Types[b,c]												
Wet (32%)	383	313	357	570	538	555	436	634	577	714	602	514
Above Normal (15%)	282	303	277	333	448	434	334	562	532	727	574	446
Below Normal (17%)	256	230	302	203	272	220	266	480	516	677	513	322
Dry (22%)	225	189	276	159	147	183	239	430	501	617	489	272
Critical (15%)	197	144	122	179	121	165	211	311	384	454	372	205

Table 2-1c. CVP Facilities Total Generation, Alternative 1A 011221 minus No Action Alternative 011221, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	-3	3	1	0	0	0	0	-5	2	6	0
20%	0	1	-3	0	0	0	0	0	10	2	0	0
30%	0	2	-5	0	0	3	1	-3	-3	0	-3	2
40%	3	3	-4	8	0	-9	-2	1	-10	4	0	0
50%	-2	2	1	-2	-2	0	0	-2	-13	8	6	4
60%	1	5	0	0	0	0	0	-3	-1	1	5	4
70%	1	2	5	1	-3	0	-1	-11	-2	3	3	6
80%	3	3	3	0	0	2	0	-37	-4	2	-6	7
90%	9	5	0	-1	0	0	-1	-6	2	0	2	7
Long Term												
Full Simulation Period[a]	2	1	1	0	0	0	-1	-5	-3	2	2	2
Water Year Types[b,c]												
Wet (32%)	0	0	-1	0	0	0	0	0	-2	1	1	0
Above Normal (15%)	2	0	-1	0	3	1	0	-2	-2	-1	0	1
Below Normal (17%)	-1	2	1	0	-2	0	-1	-4	-2	2	-1	1
Dry (22%)	1	2	6	-1	-1	-3	-1	-4	-7	4	6	5
Critical (15%)	13	4	0	3	-3	4	-1	-18	1	2	2	5

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 2-2a. CVP Facilities Total Generation, No Action Alternative 011221, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	434	352	676	724	715	746	502	700	607	803	644	559
20%	418	295	433	522	642	567	376	633	563	752	603	518
30%	291	270	273	387	406	448	317	547	555	713	564	453
40%	275	247	217	255	292	284	298	515	544	671	543	411
50%	260	228	181	197	199	227	269	493	523	647	519	336
60%	247	199	168	176	164	185	245	471	503	627	503	313
70%	238	185	155	152	143	162	236	459	491	597	481	271
80%	198	163	141	142	131	152	222	413	458	554	443	257
90%	167	127	115	127	124	136	199	327	394	460	375	204
Long Term												
Full Simulation Period[a]	282	244	283	325	333	341	316	510	518	648	523	371
Water Year Types[b,c]												
Wet (32%)	383	313	358	570	537	555	436	635	580	712	602	513
Above Normal (15%)	280	303	277	333	445	433	334	564	534	727	574	445
Below Normal (17%)	256	228	302	203	274	220	267	484	518	675	514	321
Dry (22%)	224	187	271	160	148	186	240	434	508	613	482	267
Critical (15%)	184	139	123	176	124	161	212	329	383	452	370	200

Table 2-2b. CVP Facilities Total Generation, Alternative 1B 011221, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	434	350	679	724	716	746	502	700	601	798	650	559
20%	417	300	451	522	642	567	376	633	564	758	603	518
30%	293	272	275	387	406	462	317	544	545	713	562	456
40%	274	252	214	255	293	283	290	515	532	674	546	416
50%	261	229	184	196	197	227	269	485	509	654	524	340
60%	248	206	168	175	163	185	244	465	501	623	502	317
70%	242	191	160	151	141	162	235	447	482	590	485	282
80%	202	167	151	142	131	155	222	373	451	564	438	266
90%	175	147	116	126	125	136	197	321	397	462	377	211
Long Term												
Full Simulation Period[a]	285	248	285	325	335	341	315	503	512	650	524	374
Water Year Types[b,c]												
Wet (32%)	383	310	357	571	538	555	436	634	578	714	602	514
Above Normal (15%)	285	304	283	335	451	435	335	562	512	719	574	452
Below Normal (17%)	258	237	305	202	277	220	266	471	510	676	512	324
Dry (22%)	224	198	275	159	149	184	235	426	505	620	488	271
Critical (15%)	196	146	124	175	123	163	211	310	382	455	374	206

Table 2-2c. CVP Facilities Total Generation, Alternative 1B 011221 minus No Action Alternative 011221, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	-3	3	1	1	0	0	0	-5	-5	6	0
20%	-1	5	18	0	0	0	0	0	1	6	0	0
30%	2	1	2	0	0	14	1	-3	-10	0	-3	3
40%	-2	5	-3	0	0	0	-8	0	-12	3	2	6
50%	1	0	3	-2	-2	0	0	-8	-15	7	5	4
60%	1	7	0	0	0	0	-1	-6	-2	-4	-1	4
70%	4	6	5	-1	-2	0	-1	-12	-9	-7	4	11
80%	4	5	9	0	0	3	0	-41	-7	11	-5	9
90%	8	20	0	-1	0	0	-1	-6	3	1	2	7
Long Term												
Full Simulation Period[a]	3	4	2	0	2	0	-1	-7	-6	1	2	3
Water Year Types[b,c]												
Wet (32%)	0	-2	-1	0	1	0	0	0	-2	1	1	0
Above Normal (15%)	5	1	6	2	6	2	2	-2	-22	-8	0	8
Below Normal (17%)	2	8	4	0	2	0	-1	-13	-8	0	-1	3
Dry (22%)	0	11	5	-1	1	-1	-4	-8	-4	7	6	4
Critical (15%)	12	6	2	0	-1	2	-2	-20	-1	3	4	6

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 2-3a. CVP Facilities Total Generation, No Action Alternative 011221, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	434	352	676	724	715	746	502	700	607	803	644	559
20%	418	295	433	522	642	567	376	633	563	752	603	518
30%	291	270	273	387	406	448	317	547	555	713	564	453
40%	275	247	217	255	292	284	298	515	544	671	543	411
50%	260	228	181	197	199	227	269	493	523	647	519	336
60%	247	199	168	176	164	185	245	471	503	627	503	313
70%	238	185	155	152	143	162	236	459	491	597	481	271
80%	198	163	141	142	131	152	222	413	458	554	443	257
90%	167	127	115	127	124	136	199	327	394	460	375	204
Long Term												
Full Simulation Period[a]	282	244	283	325	333	341	316	510	518	648	523	371
Water Year Types[b,c]												
Wet (32%)	383	313	358	570	537	555	436	635	580	712	602	513
Above Normal (15%)	280	303	277	333	445	433	334	564	534	727	574	445
Below Normal (17%)	256	228	302	203	274	220	267	484	518	675	514	321
Dry (22%)	224	187	271	160	148	186	240	434	508	613	482	267
Critical (15%)	184	139	123	176	124	161	212	329	383	452	370	200

Table 2-3b. CVP Facilities Total Generation, Alternative 2 011221, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	434	350	679	724	715	746	502	700	601	805	650	559
20%	418	297	430	522	642	567	376	633	573	754	603	518
30%	291	272	271	387	406	451	318	544	552	713	562	455
40%	279	253	213	255	292	275	295	515	534	674	544	411
50%	258	227	181	195	197	227	269	492	511	655	525	340
60%	248	200	168	176	163	185	246	468	502	628	508	315
70%	237	187	159	153	141	162	235	448	489	606	484	277
80%	201	166	143	142	132	154	222	378	454	556	438	264
90%	175	132	116	125	124	136	198	320	396	461	377	211
Long Term												
Full Simulation Period[a]	285	245	284	325	333	341	316	505	515	650	525	373
Water Year Types[b,c]												
Wet (32%)	383	313	357	570	538	555	436	634	577	714	602	514
Above Normal (15%)	282	303	277	333	448	434	334	563	532	726	574	446
Below Normal (17%)	257	230	303	203	271	220	266	480	516	677	513	321
Dry (22%)	225	187	276	159	148	183	239	430	501	617	489	272
Critical (15%)	195	145	124	176	123	164	211	311	384	454	373	205

Table 2-3c. CVP Facilities Total Generation, Alternative 2 011221 minus No Action Alternative 011221, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	-3	3	1	0	0	0	0	-5	2	6	0
20%	0	1	-3	0	0	0	0	0	10	2	0	0
30%	0	2	-2	0	0	3	1	-3	-3	-1	-3	2
40%	3	6	-4	0	0	-9	-3	1	-10	3	0	0
50%	-2	-1	0	-2	-2	0	0	-2	-13	8	6	4
60%	1	0	0	0	0	0	0	-3	-1	1	5	1
70%	-1	2	4	1	-2	0	-1	-11	-3	8	3	6
80%	3	3	2	0	0	2	0	-36	-4	2	-6	7
90%	9	5	0	-1	0	0	-1	-6	2	1	2	7
Long Term												
Full Simulation Period[a]	2	1	1	0	0	0	-1	-5	-3	2	2	2
Water Year Types[b,c]												
Wet (32%)	0	0	-1	0	0	0	0	0	-2	1	1	0
Above Normal (15%)	2	0	-1	0	3	1	0	-2	-2	-1	0	1
Below Normal (17%)	1	2	1	0	-4	0	-1	-4	-2	2	0	0
Dry (22%)	1	0	6	-1	0	-3	-1	-4	-7	4	7	5
Critical (15%)	11	6	1	1	-1	3	-1	-18	1	2	3	5

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 2-4a. CVP Facilities Total Generation, No Action Alternative 011221, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	434	352	676	724	715	746	502	700	607	803	644	559
20%	418	295	433	522	642	567	376	633	563	752	603	518
30%	291	270	273	387	406	448	317	547	555	713	564	453
40%	275	247	217	255	292	284	298	515	544	671	543	411
50%	260	228	181	197	199	227	269	493	523	647	519	336
60%	247	199	168	176	164	185	245	471	503	627	503	313
70%	238	185	155	152	143	162	236	459	491	597	481	271
80%	198	163	141	142	131	152	222	413	458	554	443	257
90%	167	127	115	127	124	136	199	327	394	460	375	204
Long Term												
Full Simulation Period[a]	282	244	283	325	333	341	316	510	518	648	523	371
Water Year Types[b,c]												
Wet (32%)	383	313	358	570	537	555	436	635	580	712	602	513
Above Normal (15%)	280	303	277	333	445	433	334	564	534	727	574	445
Below Normal (17%)	256	228	302	203	274	220	267	484	518	675	514	321
Dry (22%)	224	187	271	160	148	186	240	434	508	613	482	267
Critical (15%)	184	139	123	176	124	161	212	329	383	452	370	200

Table 2-4b. CVP Facilities Total Generation, Alternative 3 020121, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	434	350	681	724	716	746	502	700	587	784	650	561
20%	418	301	477	522	642	567	376	634	554	738	592	518
30%	302	274	281	387	433	460	317	544	538	709	559	460
40%	283	261	233	255	297	289	291	515	522	673	541	427
50%	263	237	200	195	198	227	273	481	505	652	517	341
60%	255	210	173	176	163	185	244	459	490	617	500	321
70%	246	193	159	154	144	165	235	442	467	586	485	283
80%	204	167	151	143	130	155	220	367	448	557	451	265
90%	177	149	116	129	123	136	195	323	387	465	378	209
Long Term												
Full Simulation Period[a]	289	250	291	326	336	342	315	501	505	643	521	376
Water Year Types[b,c]												
Wet (32%)	383	311	357	571	538	555	436	634	578	713	602	514
Above Normal (15%)	297	310	290	335	460	435	335	562	504	696	554	459
Below Normal (17%)	267	241	315	204	279	220	268	471	489	665	512	328
Dry (22%)	230	198	286	161	151	188	237	420	495	613	485	271
Critical (15%)	194	147	124	175	120	163	209	311	384	457	376	206

Table 2-4c. CVP Facilities Total Generation, Alternative 3 020121 minus No Action Alternative 011221, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	-3	5	1	1	0	0	0	-20	-19	6	2
20%	0	5	45	0	0	0	0	1	-9	-14	-11	0
30%	12	4	8	0	28	12	1	-3	-17	-4	-6	7
40%	8	14	16	0	5	5	-7	1	-22	2	-3	17
50%	3	8	19	-2	-1	0	5	-13	-19	5	-2	5
60%	8	10	5	0	0	0	-1	-12	-13	-11	-3	7
70%	8	8	3	2	1	3	-1	-16	-24	-11	4	12
80%	6	5	10	0	-1	3	-2	-47	-10	3	8	8
90%	11	22	1	2	-2	0	-4	-4	-7	4	2	5
Long Term												
Full Simulation Period[a]	7	6	8	1	3	1	-1	-9	-13	-6	-2	5
Water Year Types[b,c]												
Wet (32%)	0	-2	-1	1	1	0	0	0	-2	1	0	0
Above Normal (15%)	17	7	13	2	15	2	2	-2	-30	-31	-20	14
Below Normal (17%)	11	13	14	1	5	0	0	-13	-28	-10	-1	8
Dry (22%)	7	11	16	1	2	2	-3	-14	-14	0	2	4
Critical (15%)	10	8	1	-1	-4	2	-3	-19	1	4	5	6

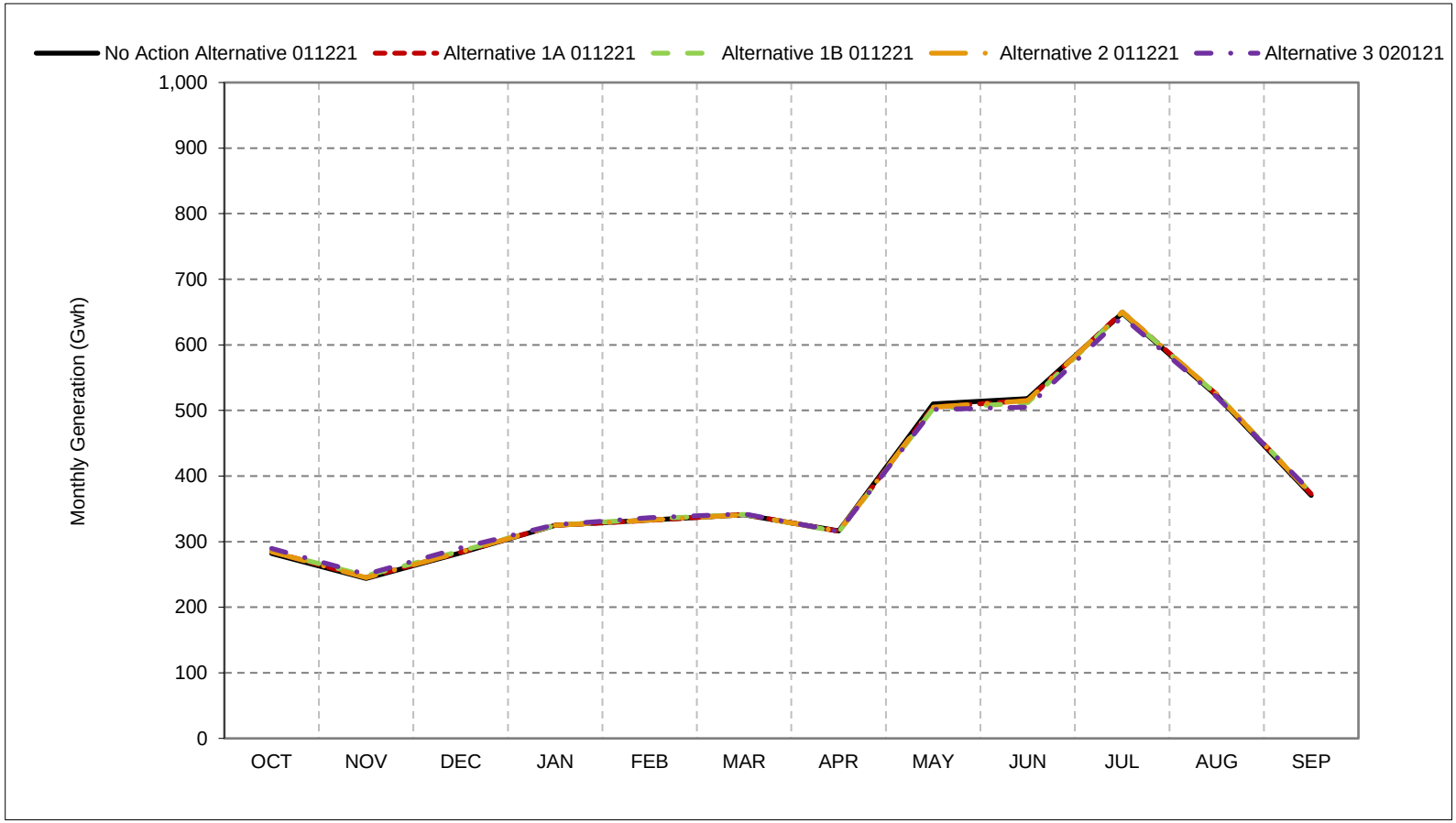
a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 2-1. CVP Facilities Total Generation, Long-Term Average Generation

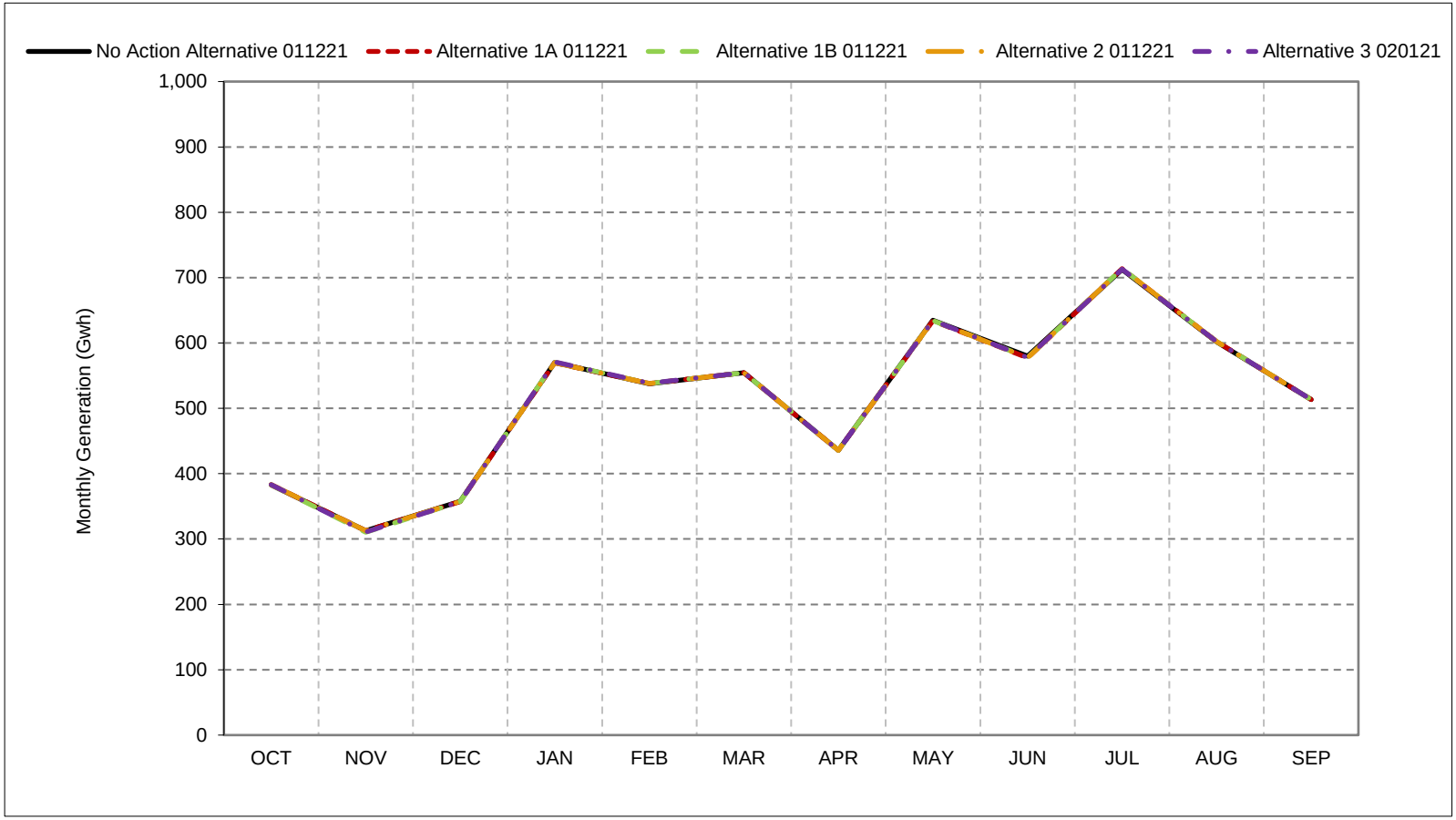


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 2-2. CVP Facilities Total Generation, Wet Year Average Generation

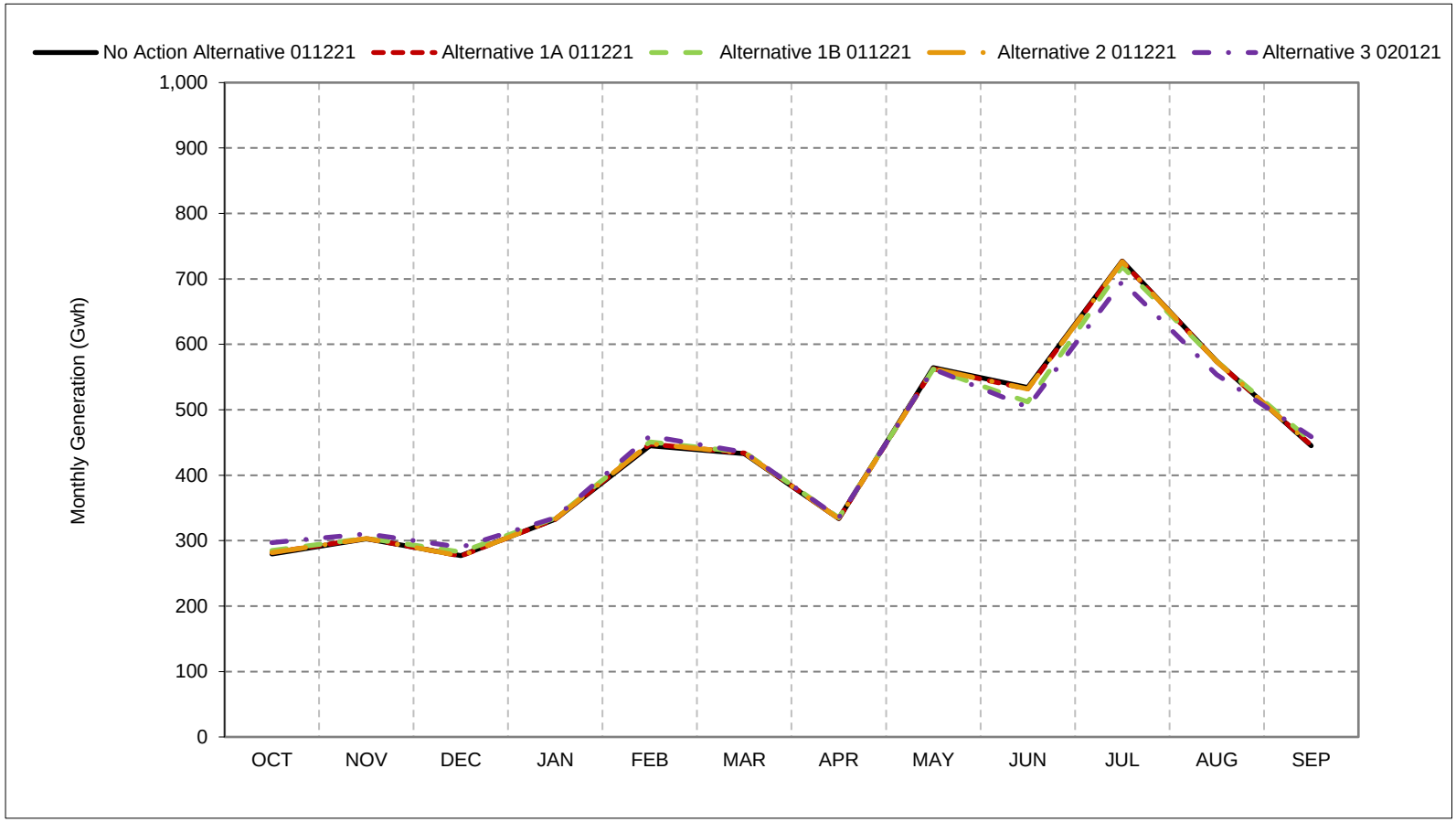


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 2-3. CVP Facilities Total Generation, Above Normal Year Average Generation

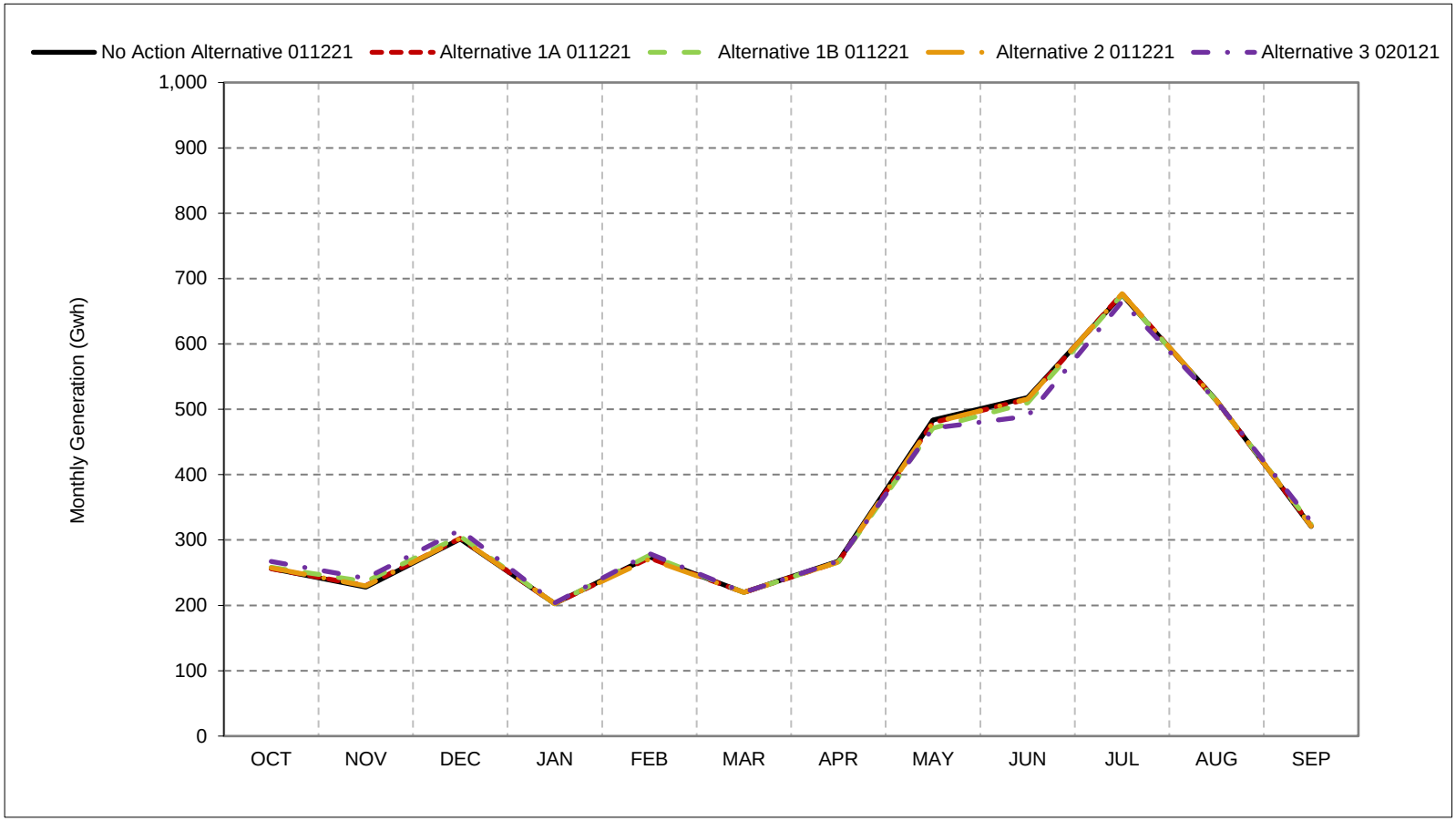


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 2-4. CVP Facilities Total Generation, Below Normal Year Average Generation

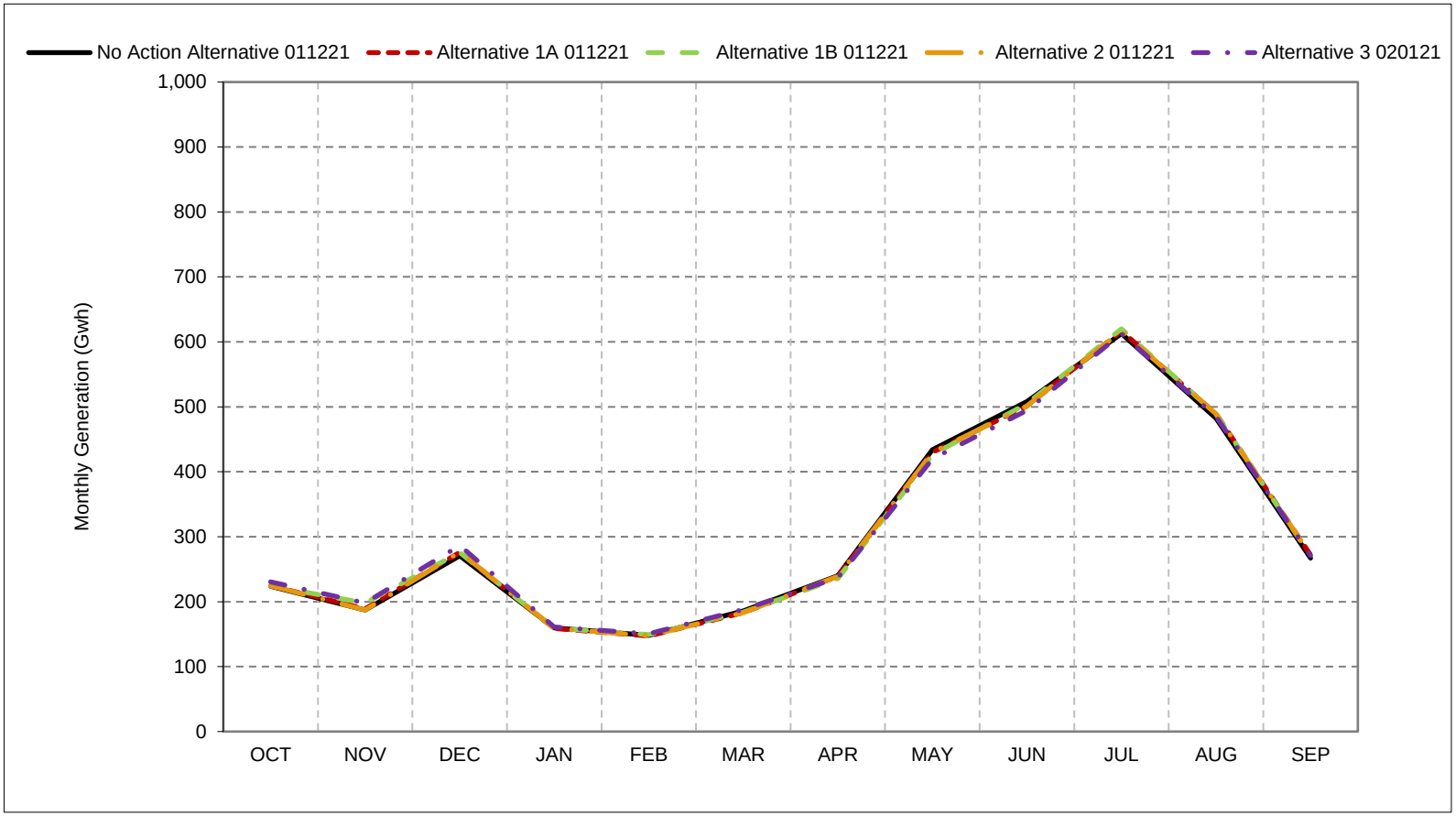


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 2-5. CVP Facilities Total Generation, Dry Year Average Generation

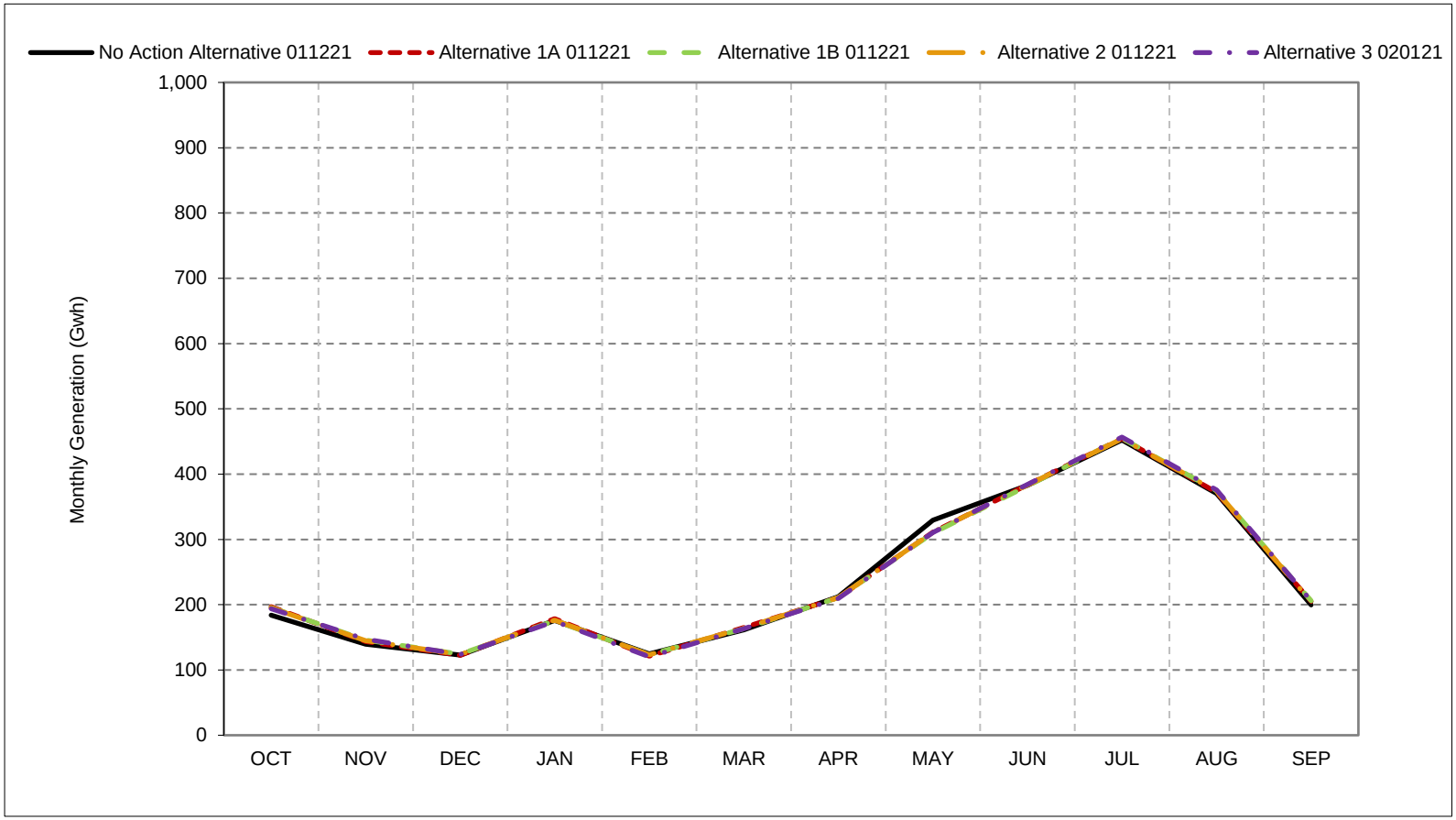


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 2-6. CVP Facilities Total Generation, Critical Year Average Generation

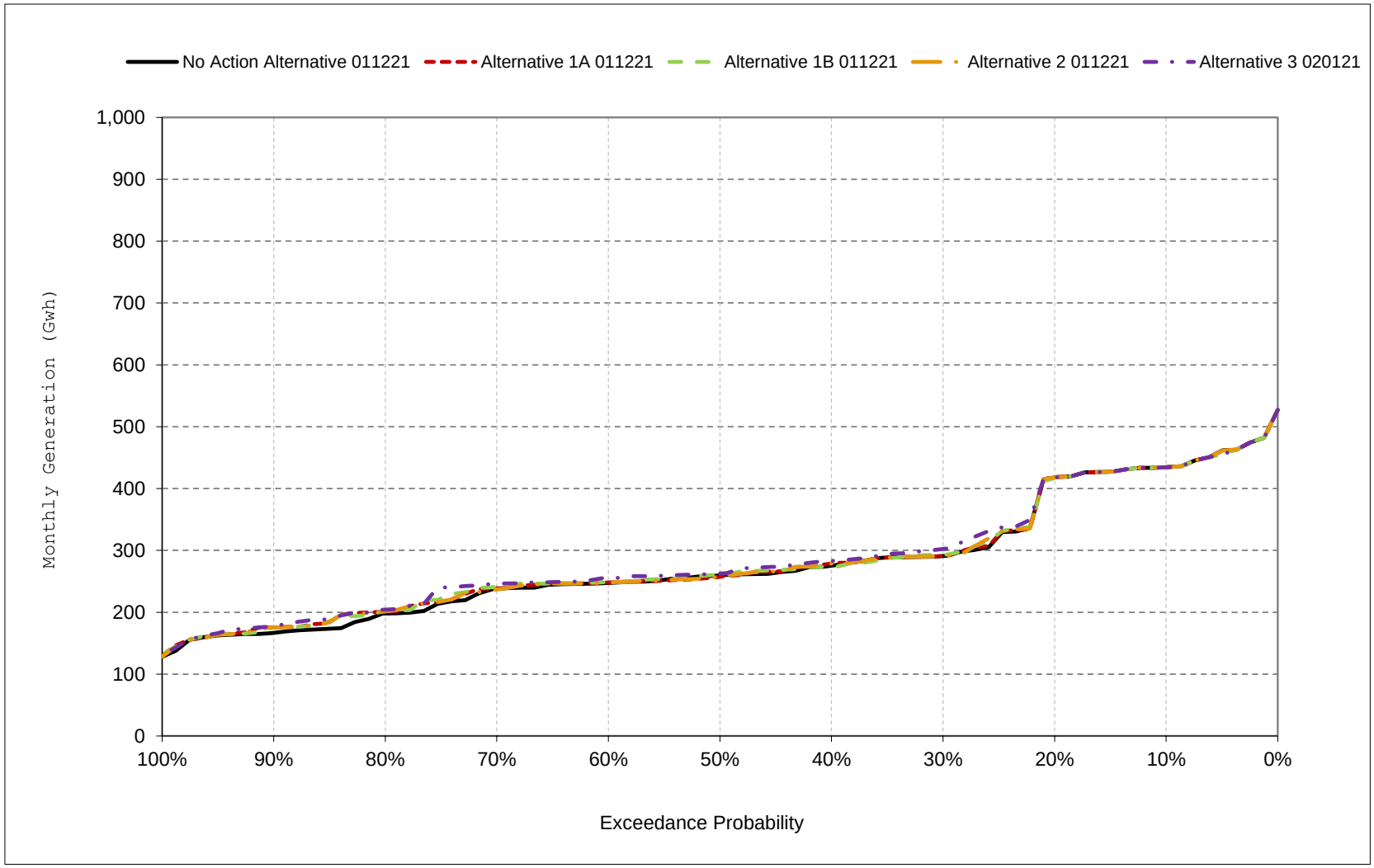


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

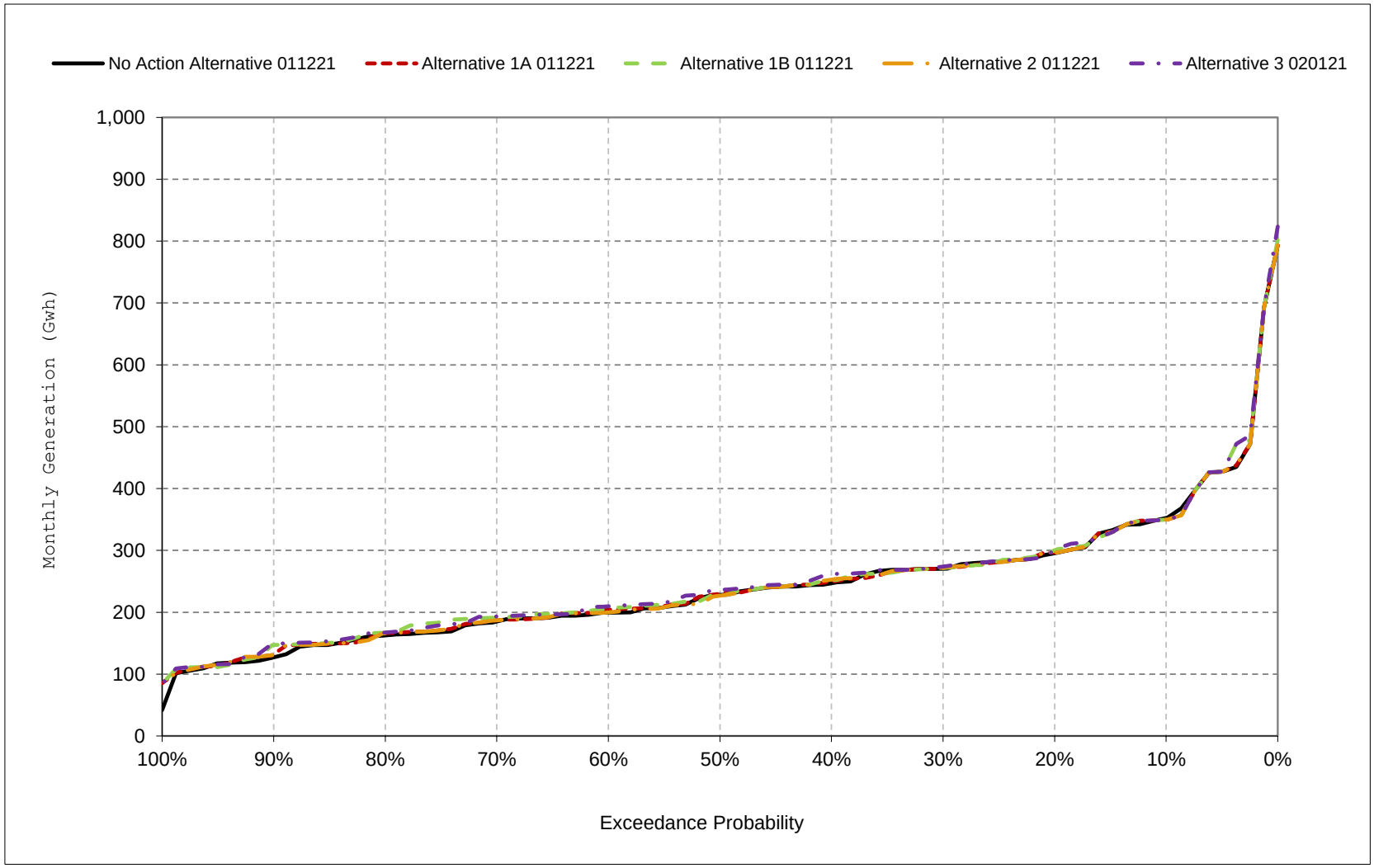
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 2-7. CVP Facilities Total Generation, October



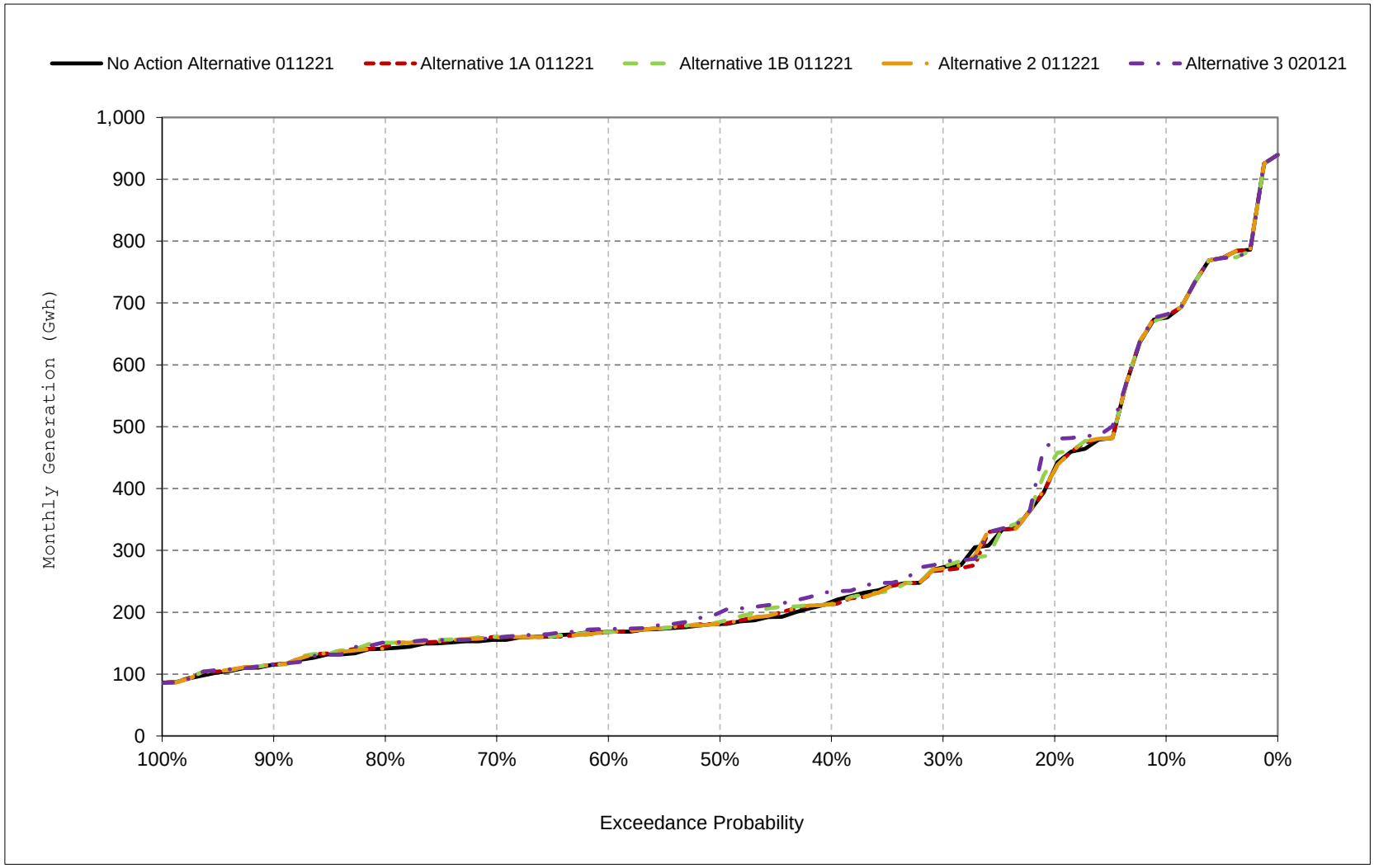
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 2-8. CVP Facilities Total Generation, November



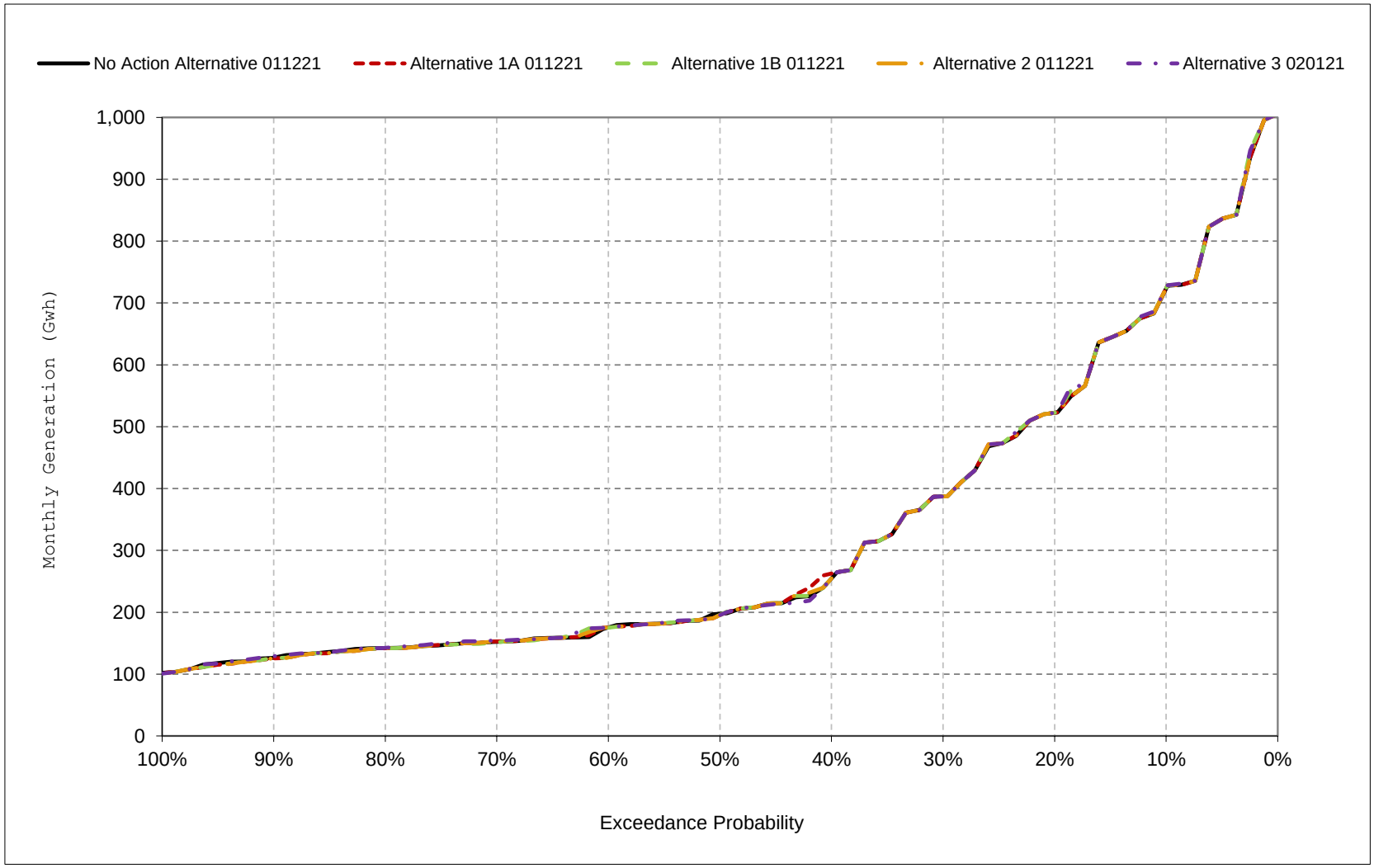
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 2-9. CVP Facilities Total Generation, December



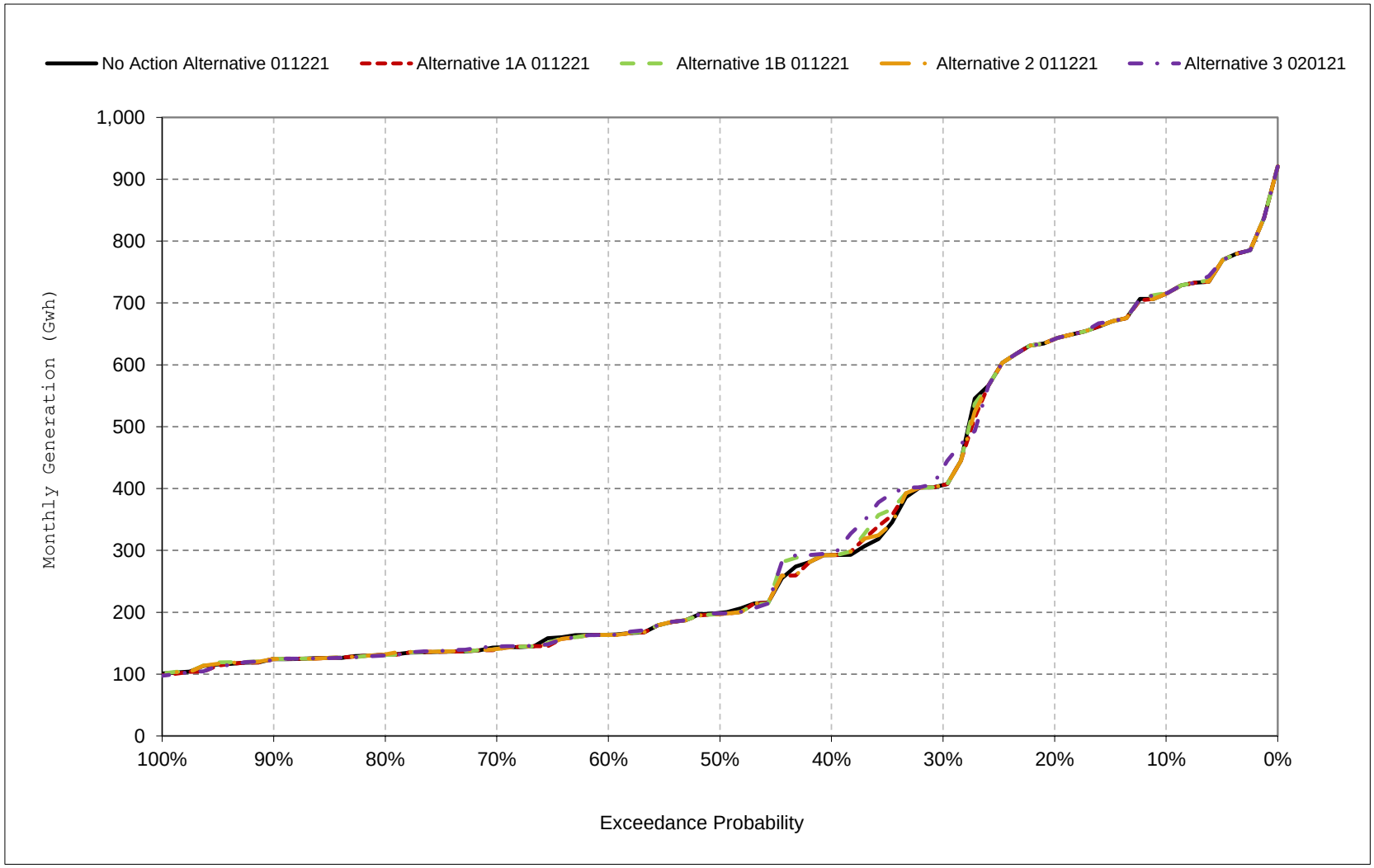
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 2-10. CVP Facilities Total Generation, January



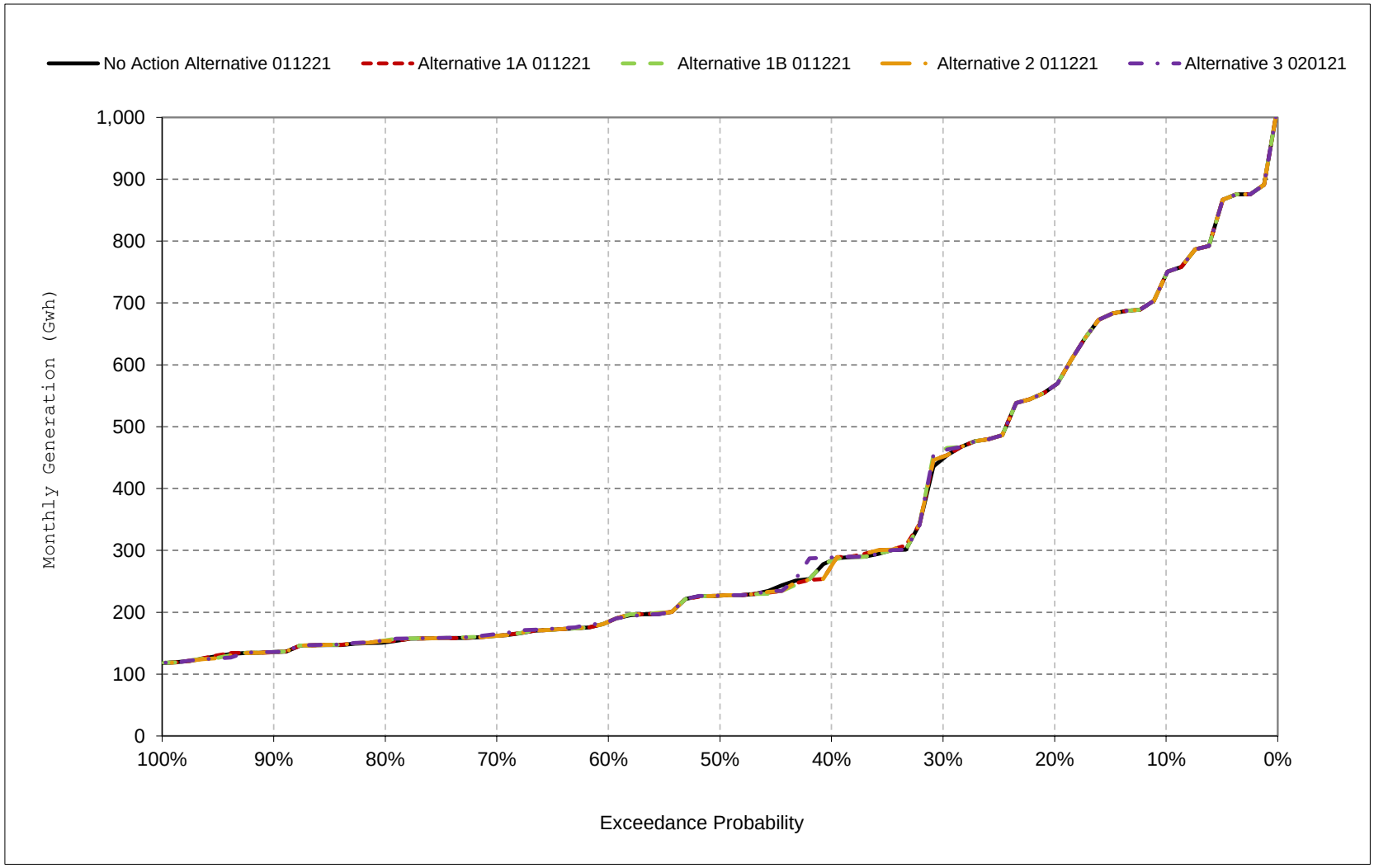
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 2-11. CVP Facilities Total Generation, February



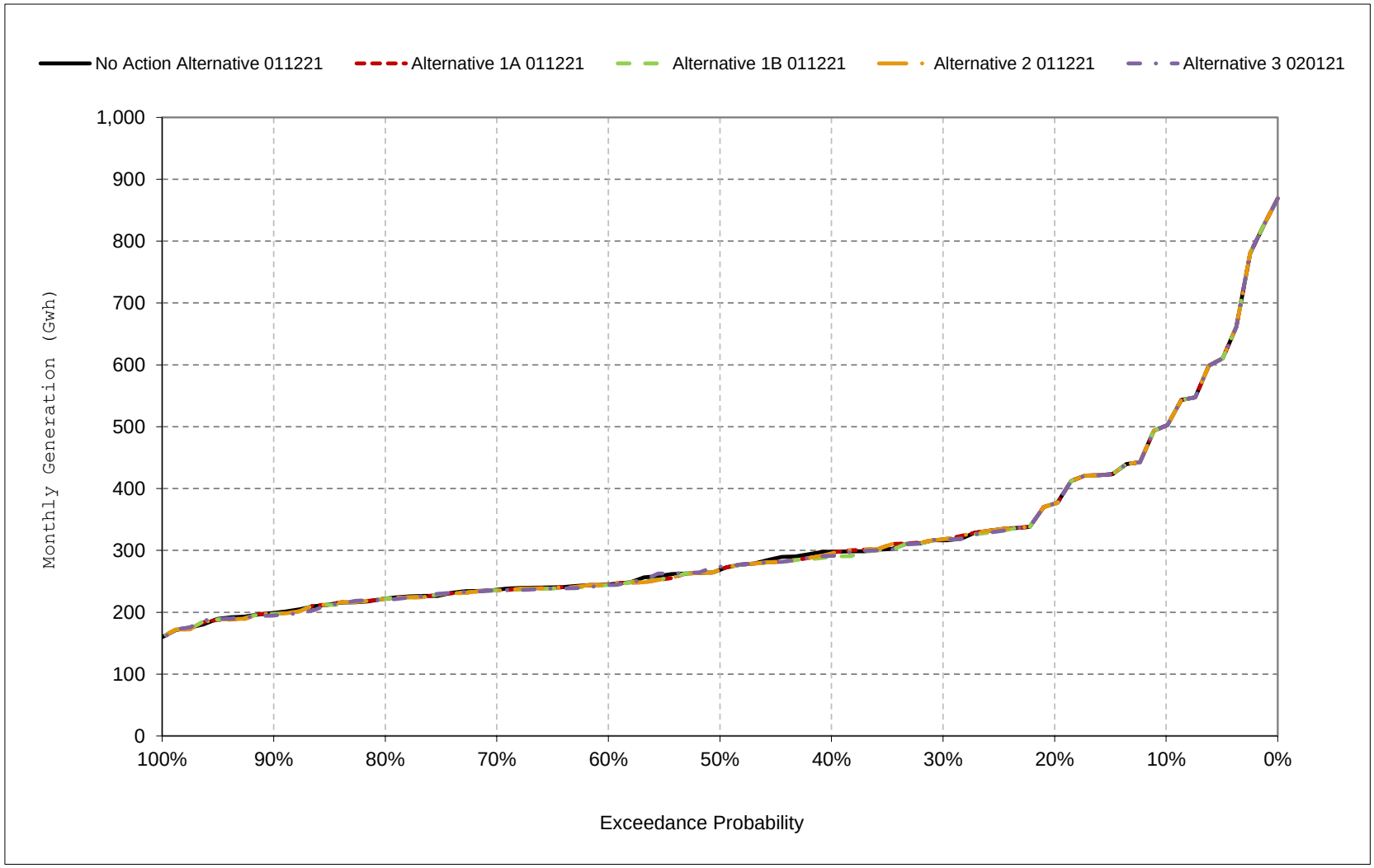
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 2-12. CVP Facilities Total Generation, March



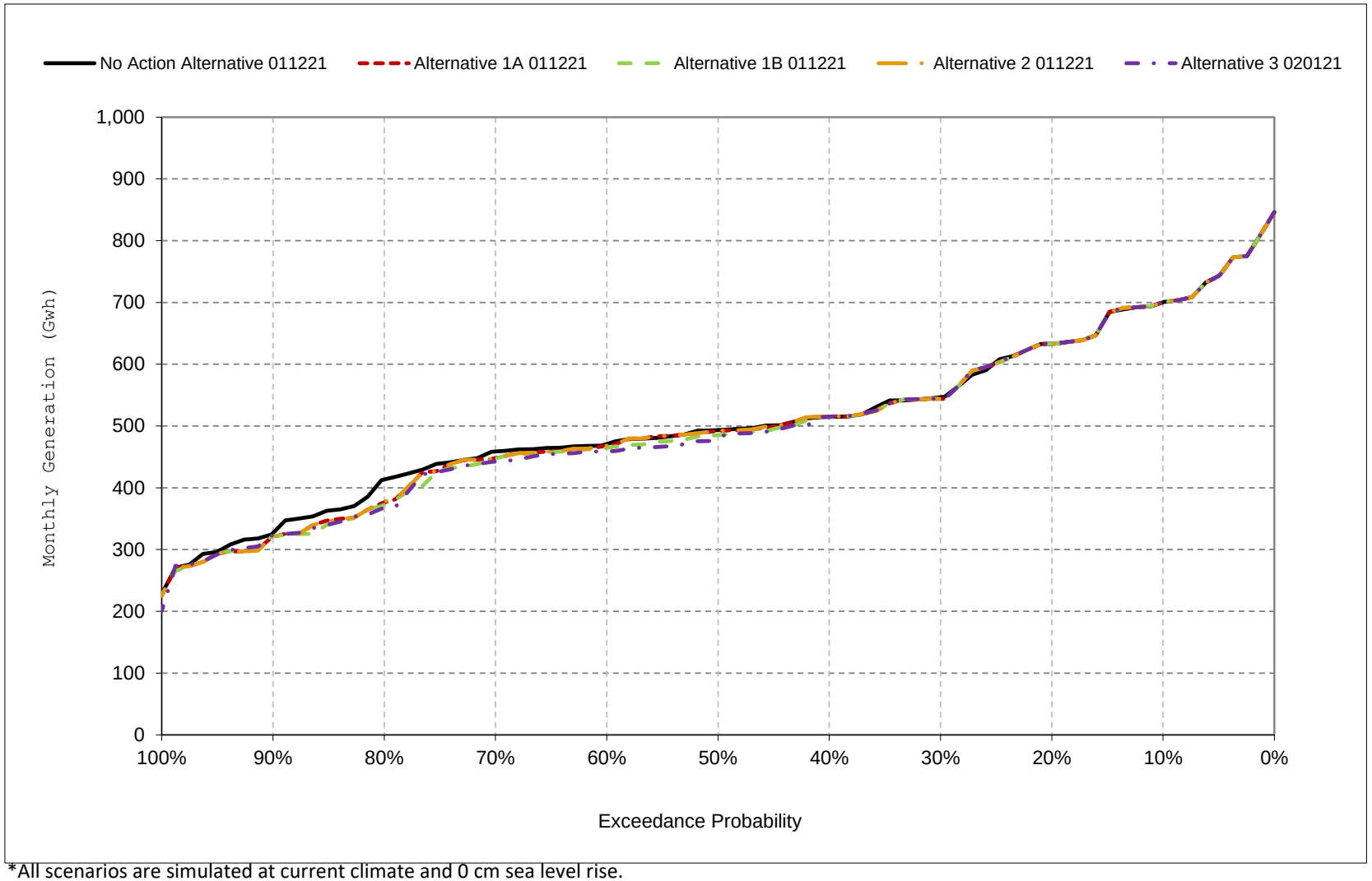
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 2-13. CVP Facilities Total Generation, April



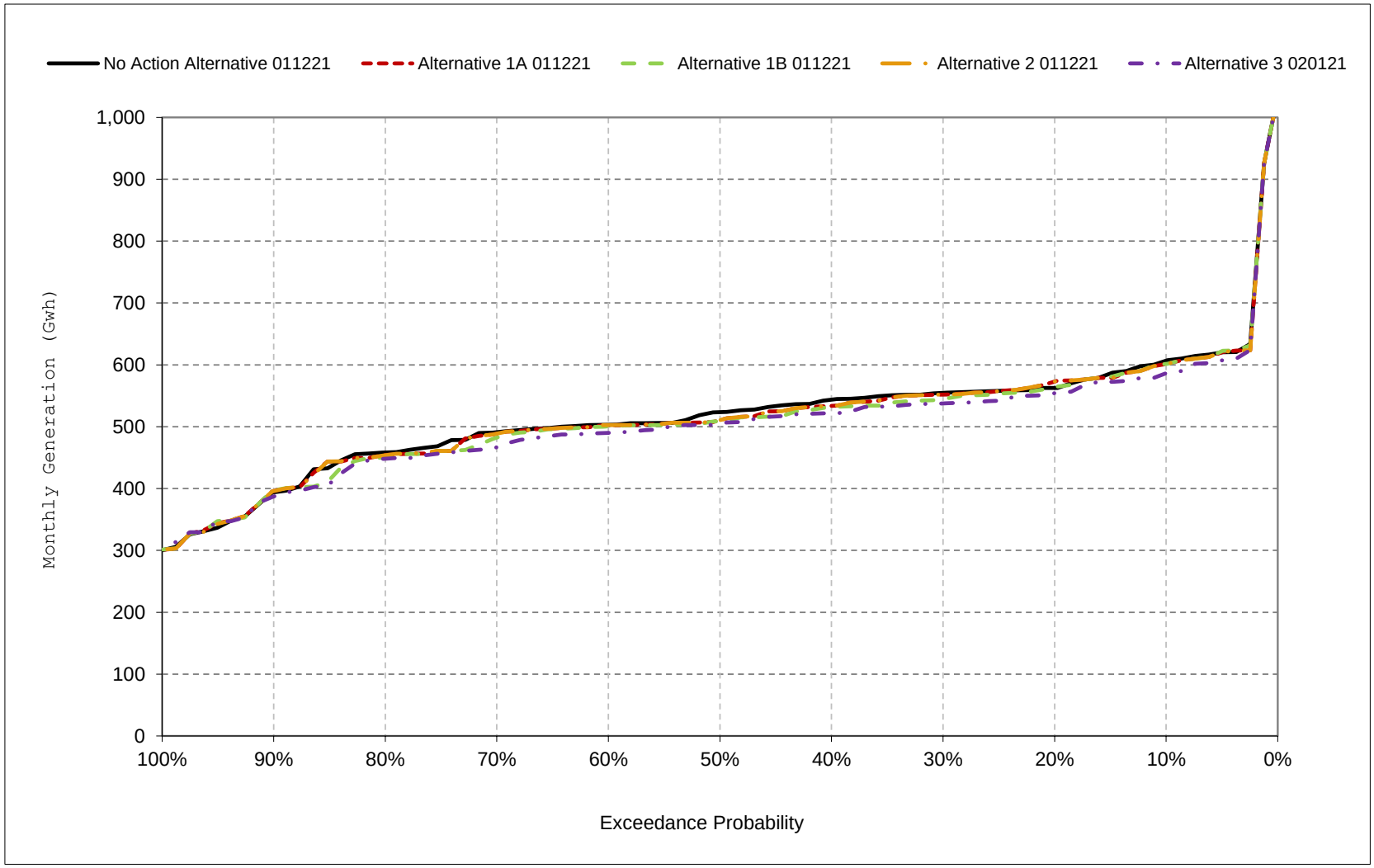
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 2-14. CVP Facilities Total Generation, May



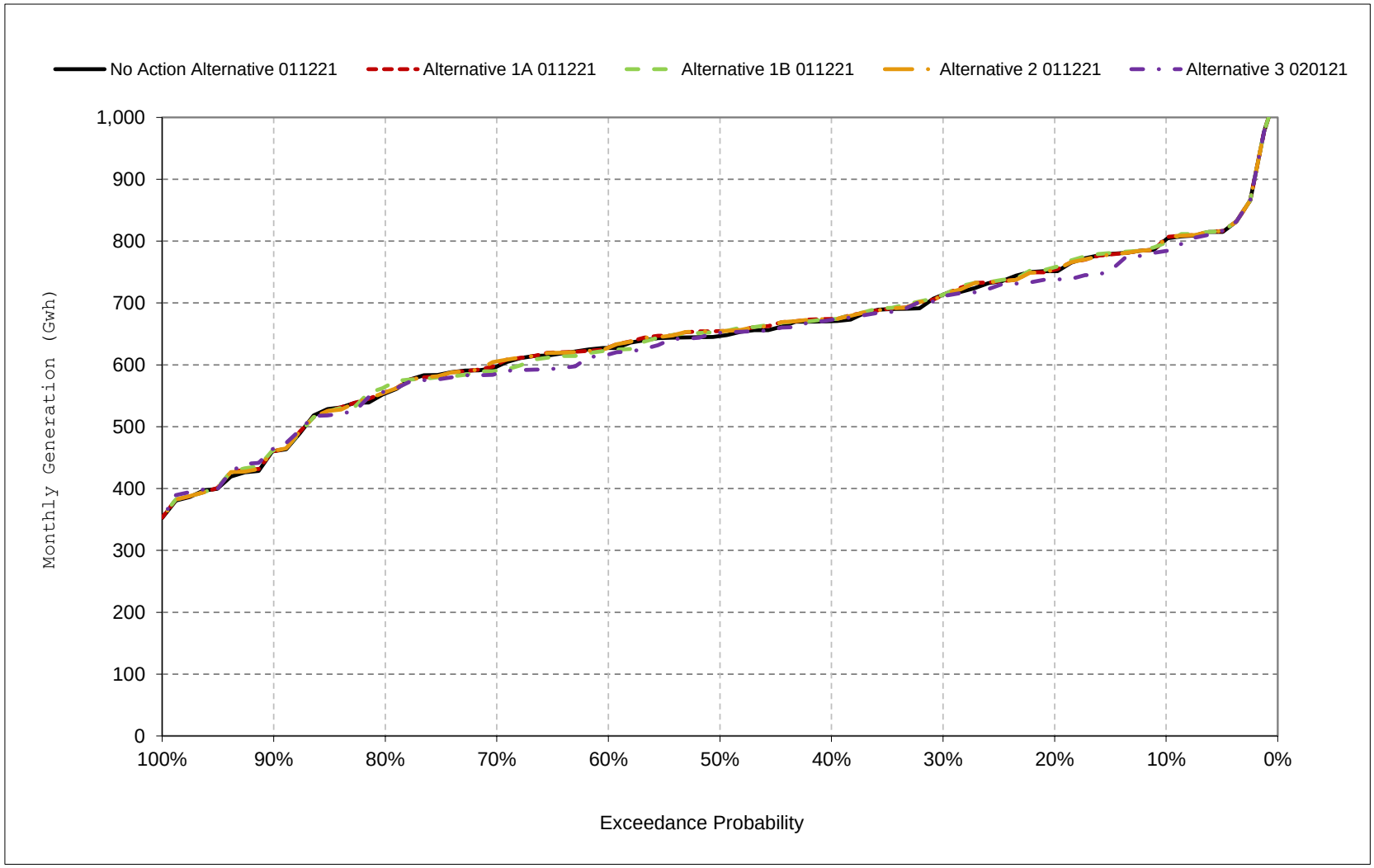
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 2-15. CVP Facilities Total Generation, June



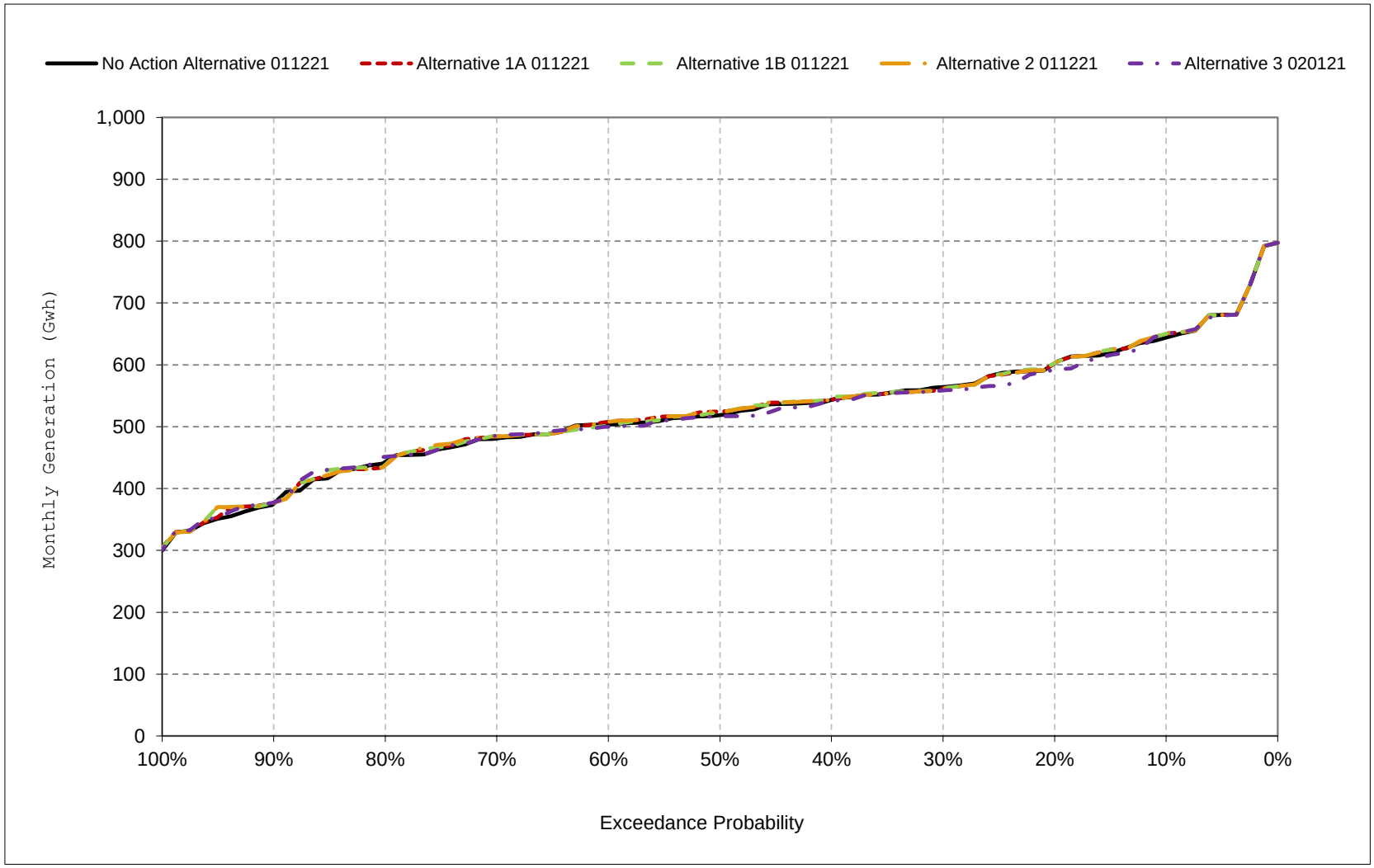
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 2-16. CVP Facilities Total Generation, July



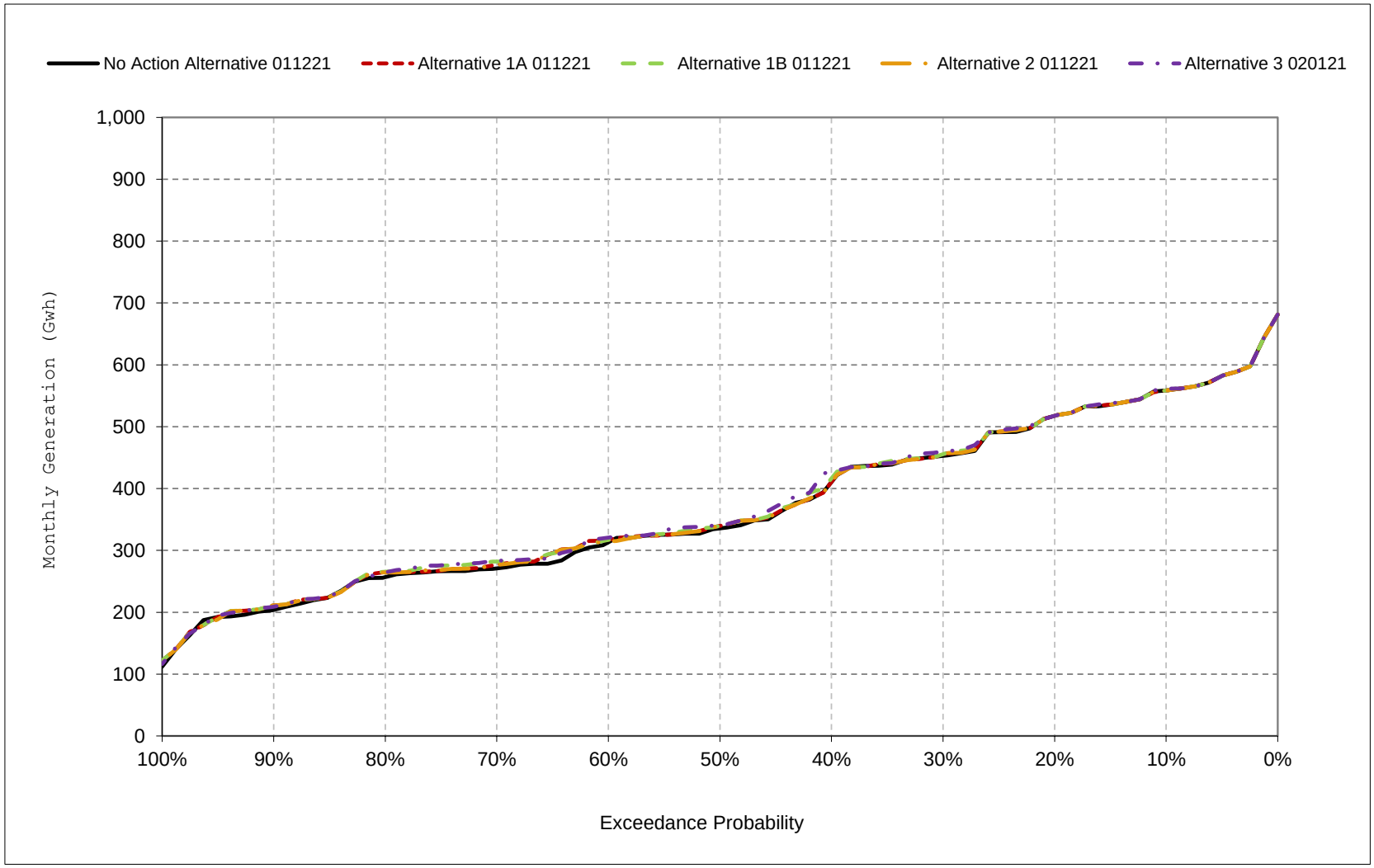
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 2-17. CVP Facilities Total Generation, August



*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 2-18. CVP Facilities Total Generation, September



*All scenarios are simulated at current climate and 0 cm sea level rise.

Table 3-1a. CVP Facilities Total Energy Use, No Action Alternative 011221, Monthly Energy Use (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	134	180	173	171	157	149	101	134	152	171	156	129
20%	126	172	162	158	145	121	94	111	141	164	154	112
30%	116	149	159	153	141	105	90	98	124	159	149	110
40%	96	146	156	148	135	98	86	94	119	153	144	107
50%	85	137	147	143	122	88	74	89	112	148	136	96
60%	81	114	134	137	116	82	59	82	107	142	133	92
70%	73	97	122	131	110	74	49	76	92	129	126	79
80%	67	83	102	115	104	66	37	56	73	95	120	70
90%	56	64	87	93	67	59	30	43	48	72	98	58
Long Term												
Full Simulation Period[a]	93	125	137	136	122	95	71	87	107	136	132	95
Water Year Types[b,c]												
Wet (32%)	116	166	162	138	127	108	96	114	138	166	149	104
Above Normal (15%)	82	158	155	143	130	103	86	99	125	149	141	84
Below Normal (17%)	105	113	141	139	129	90	72	90	110	149	131	129
Dry (22%)	72	86	114	138	114	86	50	67	85	119	123	88
Critical (15%)	70	78	94	115	105	78	29	44	48	67	99	53

Table 3-1b. CVP Facilities Total Energy Use, Alternative 1A 011221, Monthly Energy Use (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	135	182	172	171	154	155	100	134	152	171	156	129
20%	126	171	163	158	145	122	92	111	141	164	154	112
30%	115	149	160	154	141	106	90	99	123	160	149	110
40%	94	146	156	148	134	98	86	94	119	152	142	106
50%	87	138	148	144	121	90	74	89	112	148	136	96
60%	82	118	134	136	117	82	59	82	106	143	132	92
70%	73	101	123	129	110	74	49	76	95	128	125	79
80%	65	83	107	115	105	66	36	54	84	108	113	71
90%	54	60	89	97	67	62	30	43	50	72	95	58
Long Term												
Full Simulation Period[a]	92	127	138	136	122	95	70	87	107	136	131	95
Water Year Types[b,c]												
Wet (32%)	116	166	162	137	127	109	96	114	138	166	149	104
Above Normal (15%)	83	158	154	144	130	101	85	99	125	149	142	85
Below Normal (17%)	105	117	146	140	129	89	71	90	110	149	131	129
Dry (22%)	71	88	118	138	115	86	49	67	87	121	121	89
Critical (15%)	67	80	91	118	105	80	29	43	49	68	93	54

Table 3-1c. CVP Facilities Total Energy Use, Alternative 1A 011221 minus No Action Alternative 011221, Monthly Energy Use (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	2	0	0	-2	6	-1	0	0	0	0	0
20%	1	-2	0	0	0	0	-2	0	0	0	0	0
30%	-2	0	0	1	0	1	0	0	0	1	0	0
40%	-2	0	0	0	0	0	0	0	0	-1	-2	-2
50%	1	1	1	1	0	1	0	0	0	1	0	0
60%	1	4	1	-1	1	0	0	1	-1	1	-1	0
70%	0	4	1	-2	0	0	0	0	4	-1	-1	0
80%	-2	-1	5	0	1	1	-1	-1	10	13	-6	1
90%	-1	-3	3	5	0	3	0	0	2	0	-3	0
Long Term												
Full Simulation Period[a]	-1	2	1	0	0	0	0	0	0	1	-1	0
Water Year Types[b,c]												
Wet (32%)	0	0	0	0	0	1	0	0	0	0	0	0
Above Normal (15%)	1	0	0	1	0	-2	-1	0	0	0	1	1
Below Normal (17%)	0	5	5	0	0	-1	-1	0	0	0	0	0
Dry (22%)	-1	2	4	0	1	0	0	0	2	3	-3	0
Critical (15%)	-4	3	-3	3	0	2	0	0	0	0	-6	1

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 3-2a. CVP Facilities Total Energy Use, No Action Alternative 011221, Monthly Energy Use (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	134	180	173	171	157	149	101	134	152	171	156	129
20%	126	172	162	158	145	121	94	111	141	164	154	112
30%	116	149	159	153	141	105	90	98	124	159	149	110
40%	96	146	156	148	135	98	86	94	119	153	144	107
50%	85	137	147	143	122	88	74	89	112	148	136	96
60%	81	114	134	137	116	82	59	82	107	142	133	92
70%	73	97	122	131	110	74	49	76	92	129	126	79
80%	67	83	102	115	104	66	37	56	73	95	120	70
90%	56	64	87	93	67	59	30	43	48	72	98	58
Long Term												
Full Simulation Period[a]	93	125	137	136	122	95	71	87	107	136	132	95
Water Year Types[b,c]												
Wet (32%)	116	166	162	138	127	108	96	114	138	166	149	104
Above Normal (15%)	82	158	155	143	130	103	86	99	125	149	141	84
Below Normal (17%)	105	113	141	139	129	90	72	90	110	149	131	129
Dry (22%)	72	86	114	138	114	86	50	67	85	119	123	88
Critical (15%)	70	78	94	115	105	78	29	44	48	67	99	53

Table 3-2b. CVP Facilities Total Energy Use, Alternative 1B 011221, Monthly Energy Use (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	134	179	173	171	154	149	100	134	152	171	156	130
20%	126	171	163	158	145	121	92	111	141	164	154	112
30%	115	149	160	154	141	104	89	99	123	160	149	110
40%	96	146	155	148	135	99	84	94	119	153	142	107
50%	87	139	148	144	124	92	74	89	112	148	137	97
60%	82	123	133	135	117	82	60	82	106	141	131	95
70%	73	106	122	131	110	76	49	76	93	128	125	81
80%	66	94	105	115	102	66	35	53	84	113	116	72
90%	55	67	90	90	67	62	31	47	53	72	98	58
Long Term												
Full Simulation Period[a]	93	129	137	136	122	95	70	87	107	137	131	96
Water Year Types[b,c]												
Wet (32%)	116	165	163	137	127	109	96	114	138	166	149	104
Above Normal (15%)	84	158	155	144	130	104	85	100	125	149	143	87
Below Normal (17%)	105	118	146	140	129	87	71	90	109	148	130	129
Dry (22%)	73	95	110	138	115	86	50	67	89	124	123	90
Critical (15%)	67	82	93	115	105	80	29	43	49	68	94	54

Table 3-2c. CVP Facilities Total Energy Use, Alternative 1B 011221 minus No Action Alternative 011221, Monthly Energy Use (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	-1	0	0	-2	0	-1	0	0	0	0	0
20%	0	-2	1	0	0	0	-2	0	0	0	0	0
30%	-2	0	0	1	0	-1	0	0	0	0	0	0
40%	0	0	-2	0	0	0	-2	0	0	0	-2	0
50%	1	2	1	1	2	3	0	0	0	0	1	1
60%	1	9	-1	-2	1	0	0	0	-1	-1	-2	3
70%	0	8	1	0	0	2	0	1	1	0	0	2
80%	-2	11	3	0	-2	1	-2	-2	10	18	-4	2
90%	0	3	3	-2	0	3	1	4	5	0	0	0
Long Term												
Full Simulation Period[a]	0	3	0	0	0	0	-1	0	1	1	-1	1
Water Year Types[b,c]												
Wet (32%)	0	0	1	0	0	1	-1	0	0	0	0	0
Above Normal (15%)	2	0	0	0	0	2	-1	0	0	1	1	3
Below Normal (17%)	-1	5	5	1	-1	-2	-2	0	0	-1	-1	1
Dry (22%)	1	9	-3	0	1	0	0	1	3	5	0	2
Critical (15%)	-4	4	-1	0	0	2	0	0	0	1	-6	1

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 3-3a. CVP Facilities Total Energy Use, No Action Alternative 011221, Monthly Energy Use (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	134	180	173	171	157	149	101	134	152	171	156	129
20%	126	172	162	158	145	121	94	111	141	164	154	112
30%	116	149	159	153	141	105	90	98	124	159	149	110
40%	96	146	156	148	135	98	86	94	119	153	144	107
50%	85	137	147	143	122	88	74	89	112	148	136	96
60%	81	114	134	137	116	82	59	82	107	142	133	92
70%	73	97	122	131	110	74	49	76	92	129	126	79
80%	67	83	102	115	104	66	37	56	73	95	120	70
90%	56	64	87	93	67	59	30	43	48	72	98	58
Long Term												
Full Simulation Period[a]	93	125	137	136	122	95	71	87	107	136	132	95
Water Year Types[b,c]												
Wet (32%)	116	166	162	138	127	108	96	114	138	166	149	104
Above Normal (15%)	82	158	155	143	130	103	86	99	125	149	141	84
Below Normal (17%)	105	113	141	139	129	90	72	90	110	149	131	129
Dry (22%)	72	86	114	138	114	86	50	67	85	119	123	88
Critical (15%)	70	78	94	115	105	78	29	44	48	67	99	53

Table 3-3b. CVP Facilities Total Energy Use, Alternative 2 011221, Monthly Energy Use (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	135	182	173	171	154	155	100	134	152	171	156	129
20%	126	171	163	158	145	122	92	111	141	164	154	112
30%	115	149	160	154	141	106	90	99	123	160	149	110
40%	95	146	156	148	134	98	86	94	119	153	142	106
50%	87	137	148	144	123	90	74	89	112	148	136	96
60%	82	118	135	135	117	82	59	83	106	143	132	92
70%	73	100	123	129	110	75	49	76	95	128	125	79
80%	65	85	107	115	102	66	36	54	84	108	113	71
90%	56	62	92	90	67	62	30	43	50	72	98	58
Long Term												
Full Simulation Period[a]	92	127	138	136	122	95	70	87	107	136	131	95
Water Year Types[b,c]												
Wet (32%)	116	166	162	137	127	109	96	114	138	166	149	104
Above Normal (15%)	83	158	154	144	130	103	85	99	125	149	142	85
Below Normal (17%)	105	117	146	140	129	89	71	90	110	149	131	128
Dry (22%)	71	87	118	138	116	86	49	67	87	121	121	89
Critical (15%)	67	81	92	115	105	80	29	43	49	67	94	54

Table 3-3c. CVP Facilities Total Energy Use, Alternative 2 011221 minus No Action Alternative 011221, Monthly Energy Use (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	3	0	0	-2	6	-1	0	0	0	0	0
20%	1	-2	0	0	0	0	-2	0	0	0	0	0
30%	-2	0	0	1	0	1	0	0	0	1	0	0
40%	-1	0	0	0	0	0	0	0	0	-1	-2	-2
50%	1	1	1	1	2	1	0	0	0	0	0	0
60%	2	4	2	-2	1	0	0	1	-1	1	-1	0
70%	0	3	1	-2	0	0	0	0	4	-1	-1	0
80%	-2	2	5	0	-1	1	-1	-1	10	13	-7	1
90%	0	-2	6	-2	0	3	0	0	2	0	-1	0
Long Term												
Full Simulation Period[a]	0	1	1	0	0	1	0	0	0	0	-1	0
Water Year Types[b,c]												
Wet (32%)	0	0	0	0	0	1	0	0	0	0	0	0
Above Normal (15%)	1	0	0	1	0	0	-1	0	0	0	1	1
Below Normal (17%)	0	4	5	1	-1	-1	-1	0	0	0	0	-1
Dry (22%)	-1	1	4	0	1	0	0	0	2	3	-3	0
Critical (15%)	-3	3	-2	0	0	3	0	0	0	0	-6	1

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 3-4a. CVP Facilities Total Energy Use, No Action Alternative 011221, Monthly Energy Use (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	134	180	173	171	157	149	101	134	152	171	156	129
20%	126	172	162	158	145	121	94	111	141	164	154	112
30%	116	149	159	153	141	105	90	98	124	159	149	110
40%	96	146	156	148	135	98	86	94	119	153	144	107
50%	85	137	147	143	122	88	74	89	112	148	136	96
60%	81	114	134	137	116	82	59	82	107	142	133	92
70%	73	97	122	131	110	74	49	76	92	129	126	79
80%	67	83	102	115	104	66	37	56	73	95	120	70
90%	56	64	87	93	67	59	30	43	48	72	98	58
Long Term												
Full Simulation Period[a]	93	125	137	136	122	95	71	87	107	136	132	95
Water Year Types[b,c]												
Wet (32%)	116	166	162	138	127	108	96	114	138	166	149	104
Above Normal (15%)	82	158	155	143	130	103	86	99	125	149	141	84
Below Normal (17%)	105	113	141	139	129	90	72	90	110	149	131	129
Dry (22%)	72	86	114	138	114	86	50	67	85	119	123	88
Critical (15%)	70	78	94	115	105	78	29	44	48	67	99	53

Table 3-4b. CVP Facilities Total Energy Use, Alternative 3 020121, Monthly Energy Use (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	135	179	172	171	156	141	99	134	152	171	156	134
20%	128	171	163	158	146	116	92	111	141	164	154	112
30%	122	149	160	155	141	101	89	101	124	160	150	110
40%	101	146	157	148	135	95	85	95	119	156	146	108
50%	93	137	151	144	120	89	74	89	113	149	138	97
60%	83	119	134	137	116	82	60	83	107	144	133	94
70%	79	107	122	131	110	74	49	77	98	130	127	84
80%	67	93	103	115	102	66	36	55	84	115	120	74
90%	56	71	81	88	67	62	31	49	52	72	95	59
Long Term												
Full Simulation Period[a]	96	128	137	136	122	92	70	88	108	138	133	97
Water Year Types[b,c]												
Wet (32%)	116	165	163	137	127	106	96	114	138	166	149	104
Above Normal (15%)	97	158	153	144	128	101	84	100	125	153	147	91
Below Normal (17%)	110	118	142	141	129	79	71	91	110	149	131	131
Dry (22%)	79	95	114	138	115	86	50	68	90	124	124	90
Critical (15%)	62	82	92	114	105	81	29	44	50	69	98	54

Table 3-4c. CVP Facilities Total Energy Use, Alternative 3 020121 minus No Action Alternative 011221, Monthly Energy Use (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1	0	-1	1	0	-9	-1	0	0	0	0	4
20%	3	-2	1	0	1	-5	-2	0	0	0	0	0
30%	6	0	1	1	1	-4	0	3	0	1	1	0
40%	5	0	0	1	0	-3	-1	1	0	3	2	1
50%	8	1	3	1	-1	0	0	0	0	1	2	0
60%	2	6	1	0	0	0	1	1	0	3	0	3
70%	6	10	1	0	0	0	0	1	6	1	1	5
80%	0	10	1	0	-2	0	0	-1	10	20	0	4
90%	0	7	-5	-4	0	3	1	6	4	0	-3	1
Long Term												
Full Simulation Period[a]	3	3	0	0	0	-2	0	1	1	2	1	2
Water Year Types[b,c]												
Wet (32%)	0	0	1	0	0	-3	0	0	0	0	0	0
Above Normal (15%)	15	-1	-1	1	-2	-2	-2	0	0	4	5	7
Below Normal (17%)	5	5	2	1	0	-10	-2	1	0	0	0	3
Dry (22%)	7	8	0	-1	1	0	1	2	4	6	0	2
Critical (15%)	-8	5	-2	-2	-1	3	0	1	1	2	-1	1

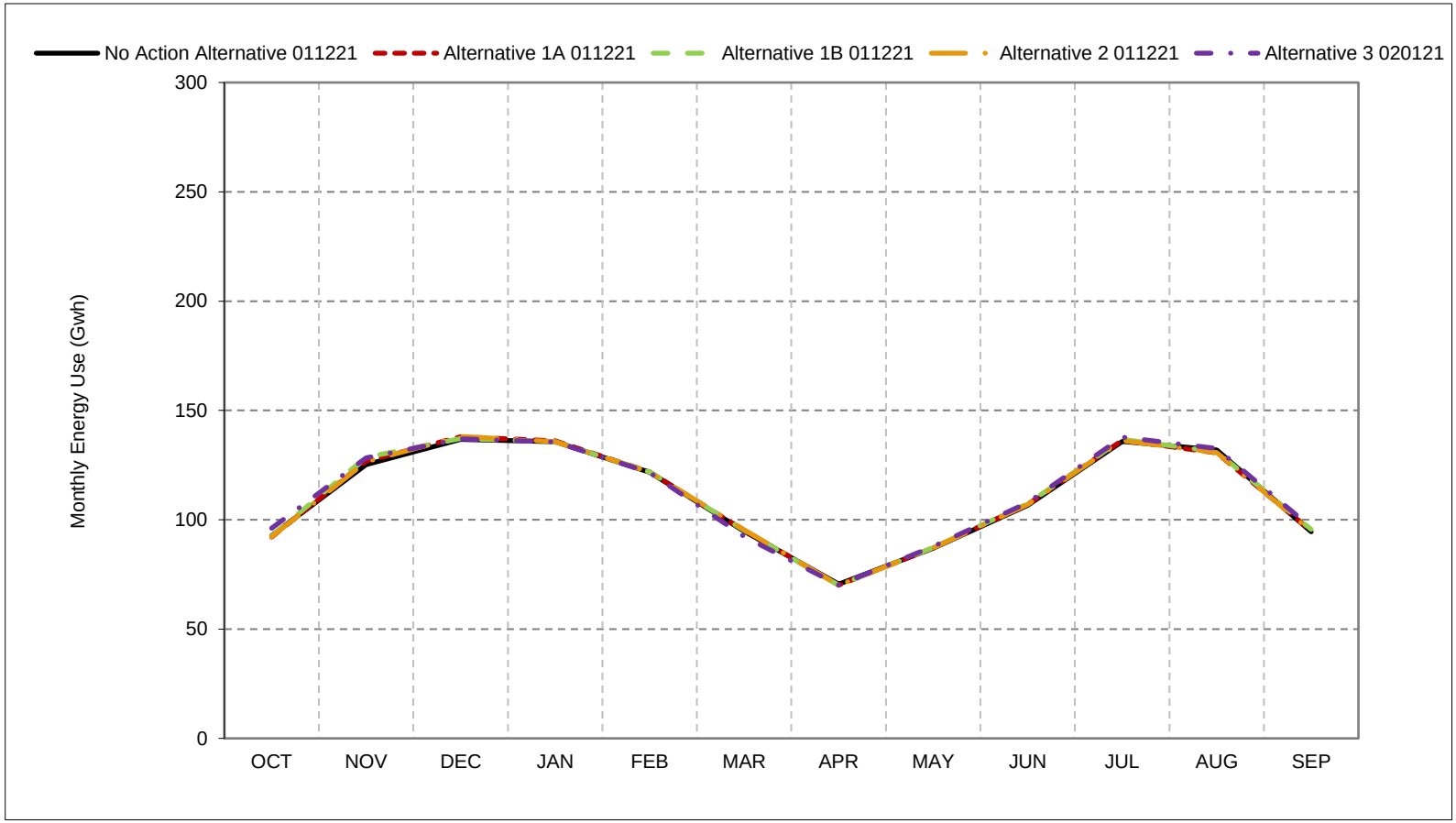
a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 3-1. CVP Facilities Total Energy Use, Long-Term Average Energy Use

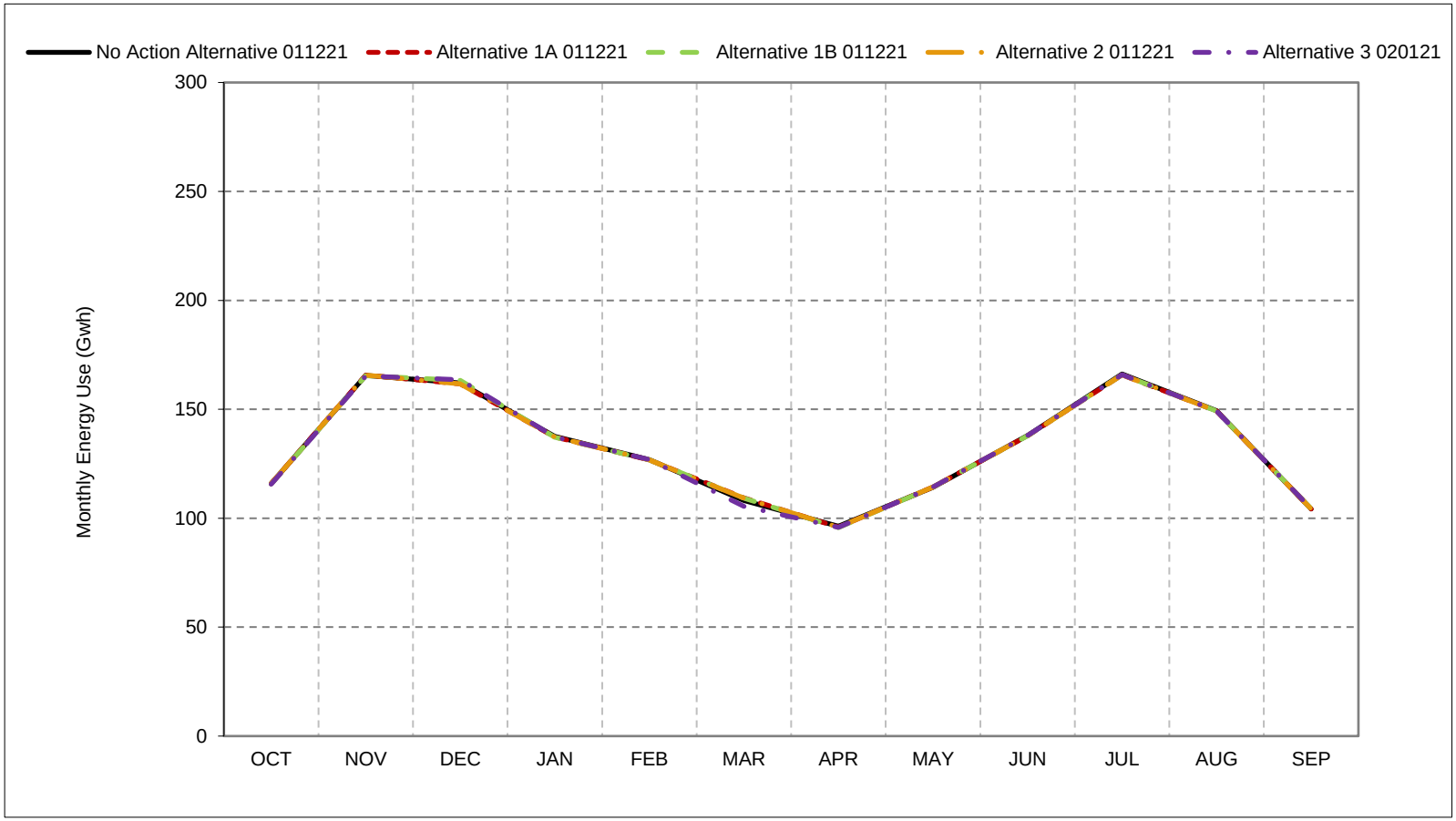


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 3-2. CVP Facilities Total Energy Use, Wet Year Average Energy Use

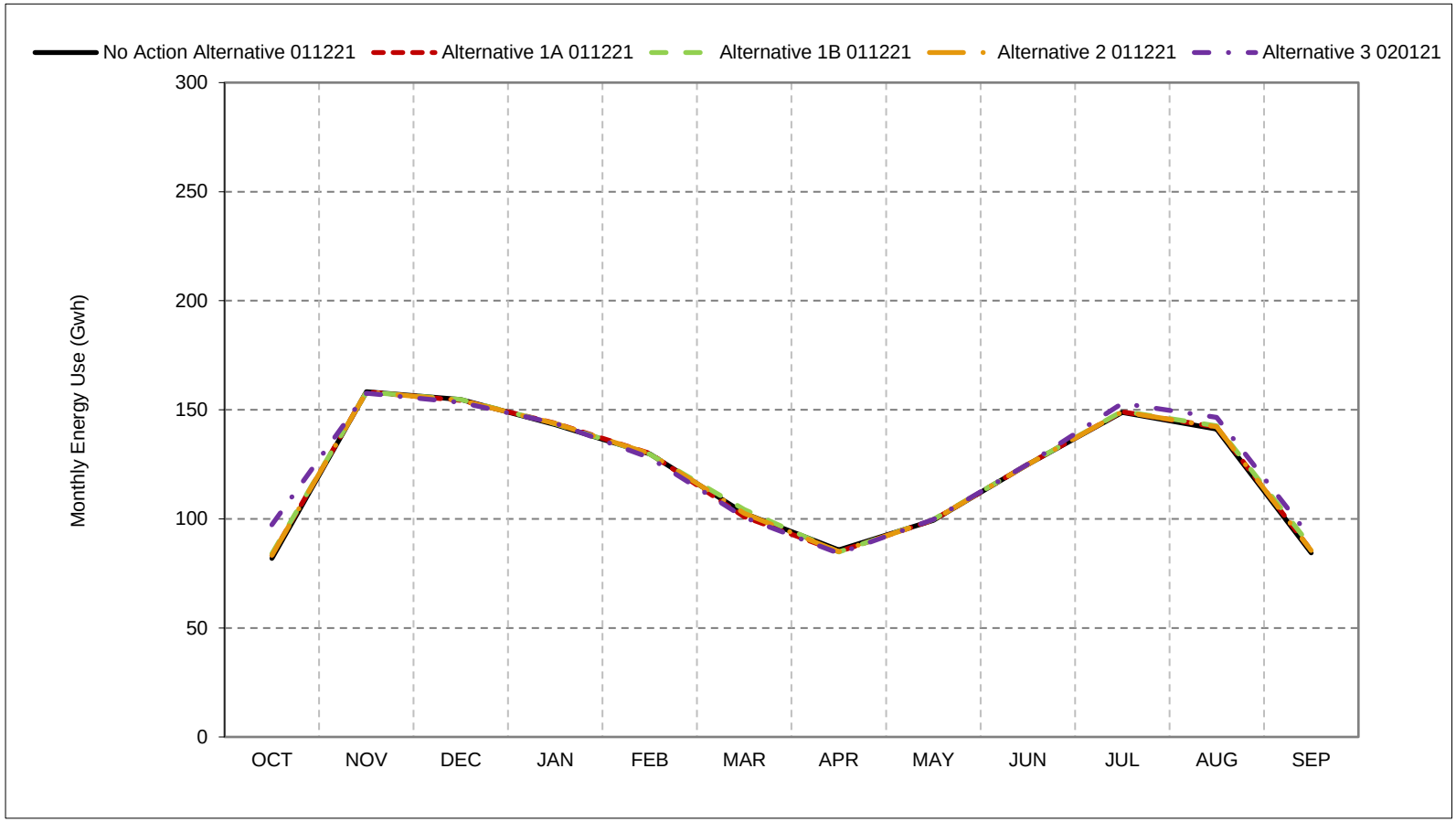


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 3-3. CVP Facilities Total Energy Use, Above Normal Year Average Energy Use

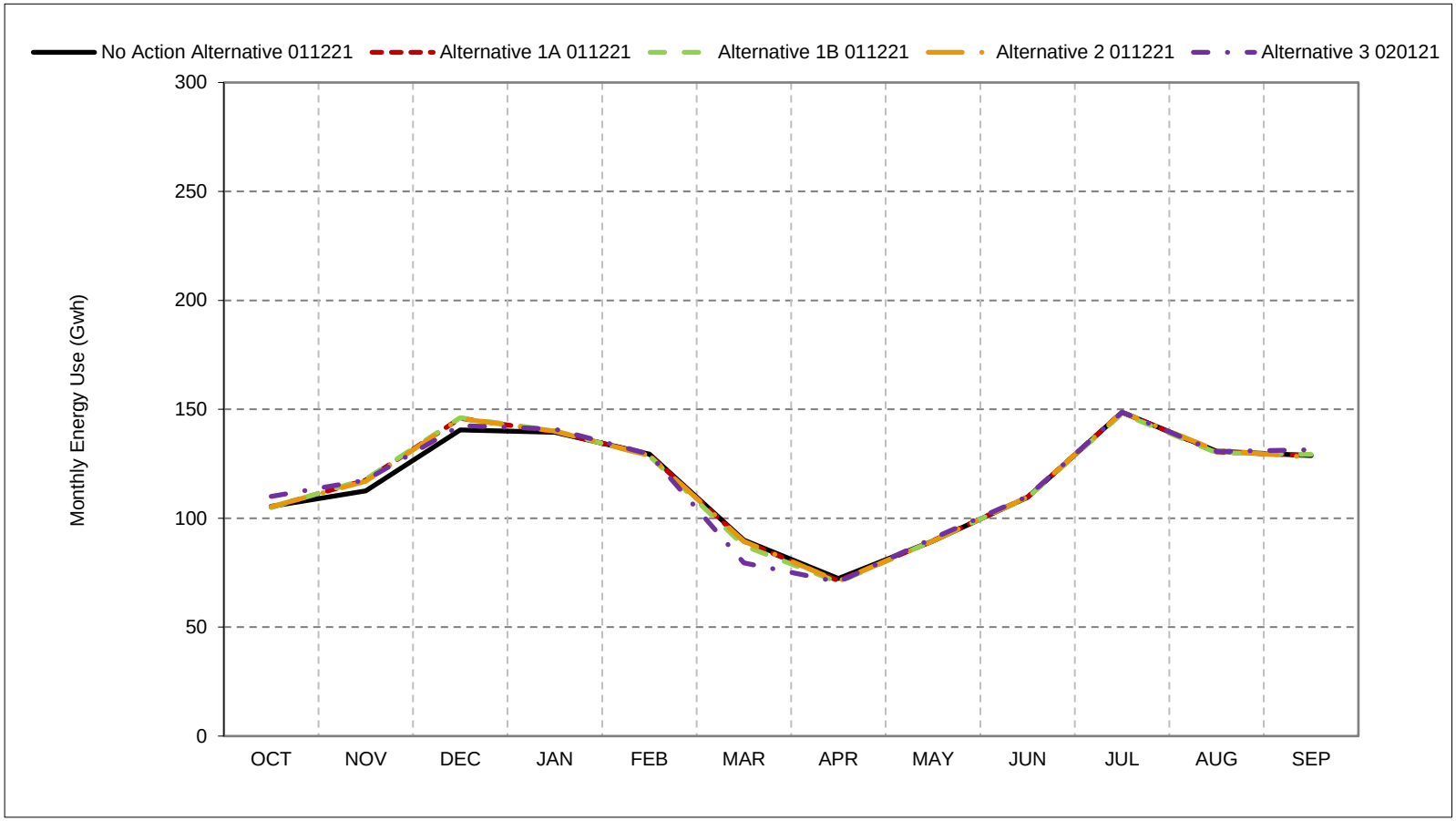


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 3-4. CVP Facilities Total Energy Use, Below Normal Year Average Energy Use

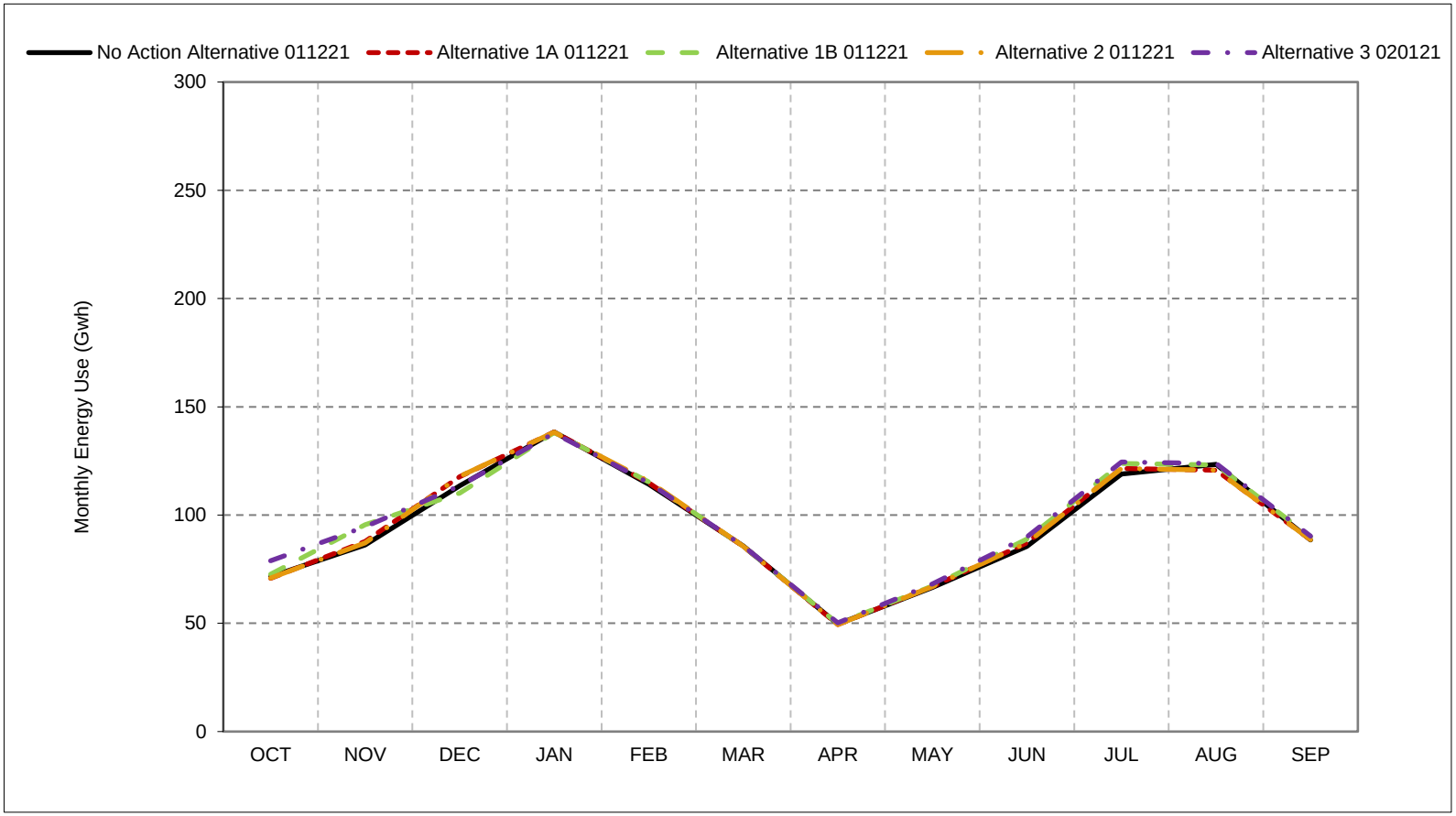


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 3-5. CVP Facilities Total Energy Use, Dry Year Average Energy Use

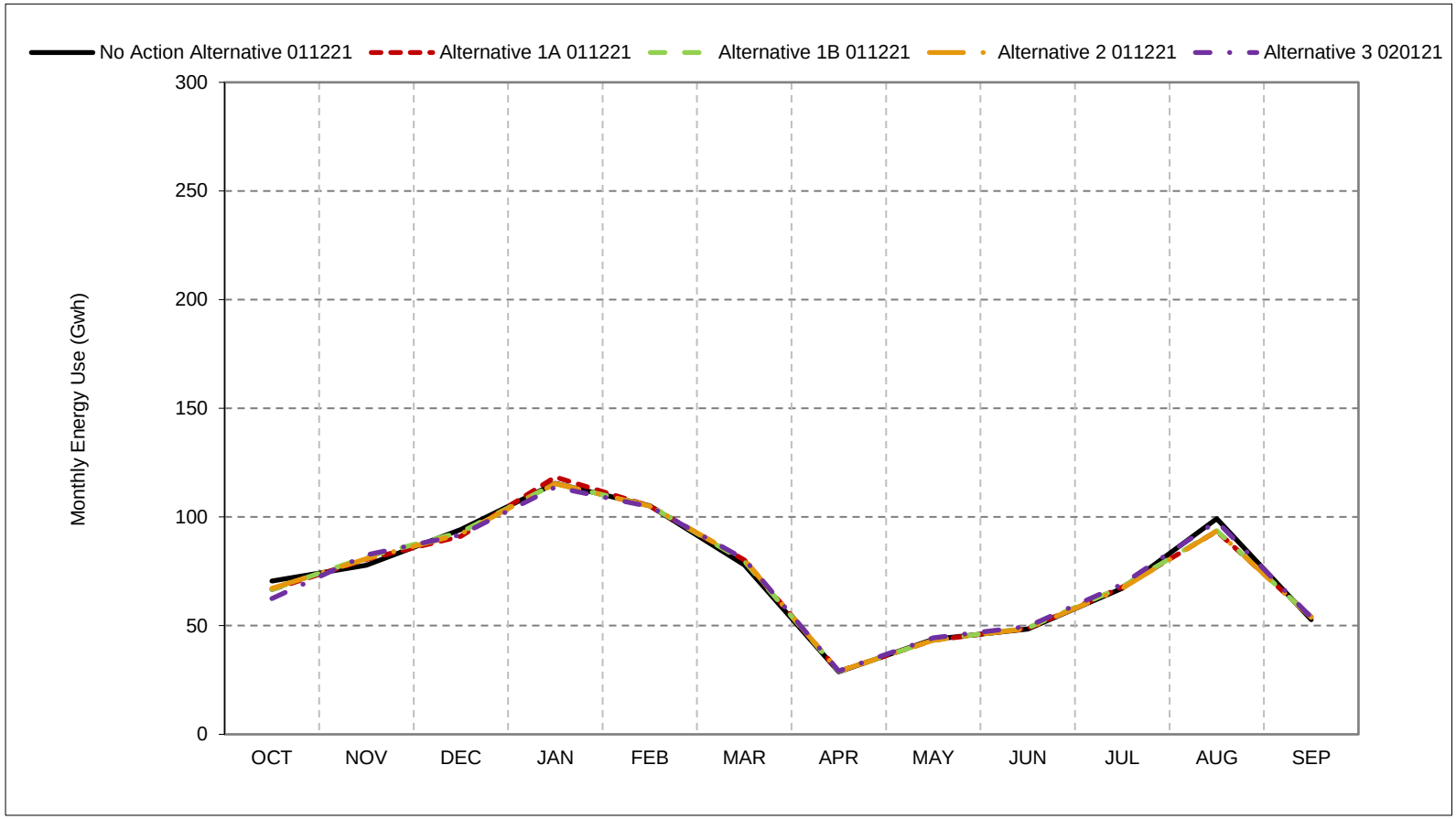


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 3-6. CVP Facilities Total Energy Use, Critical Year Average Energy Use

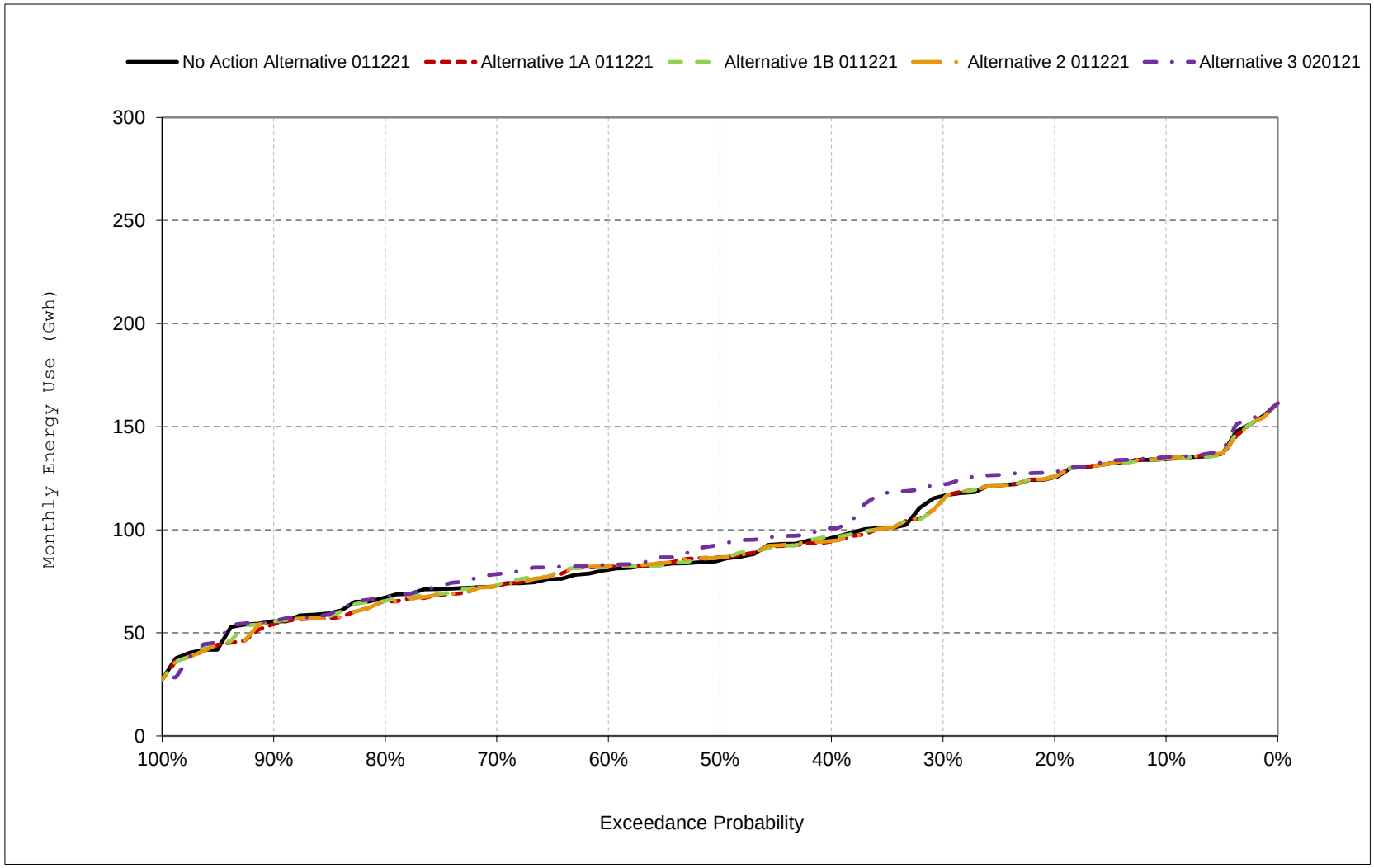


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

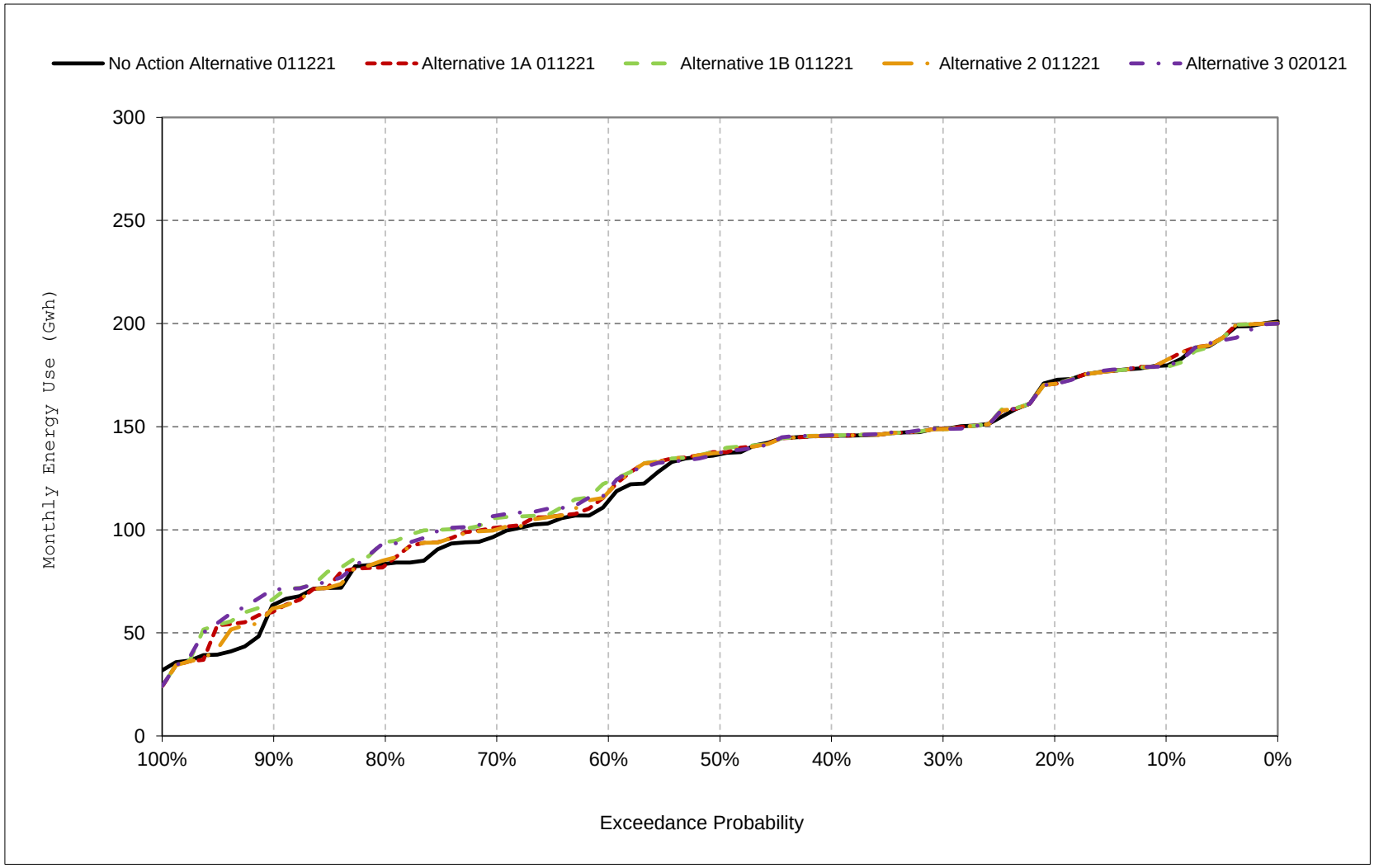
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 3-7. CVP Facilities Total Energy Use, October



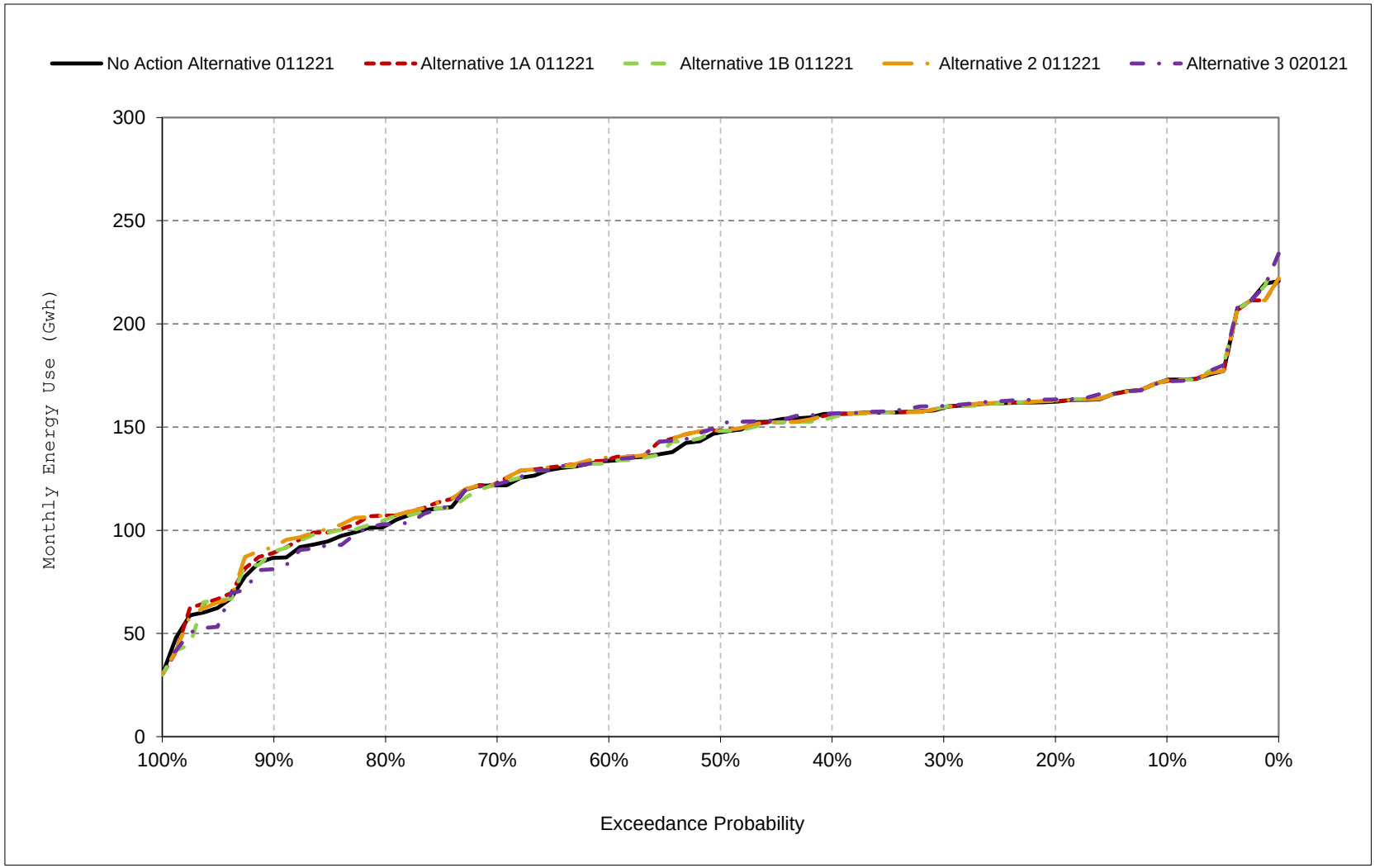
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 3-8. CVP Facilities Total Energy Use, November



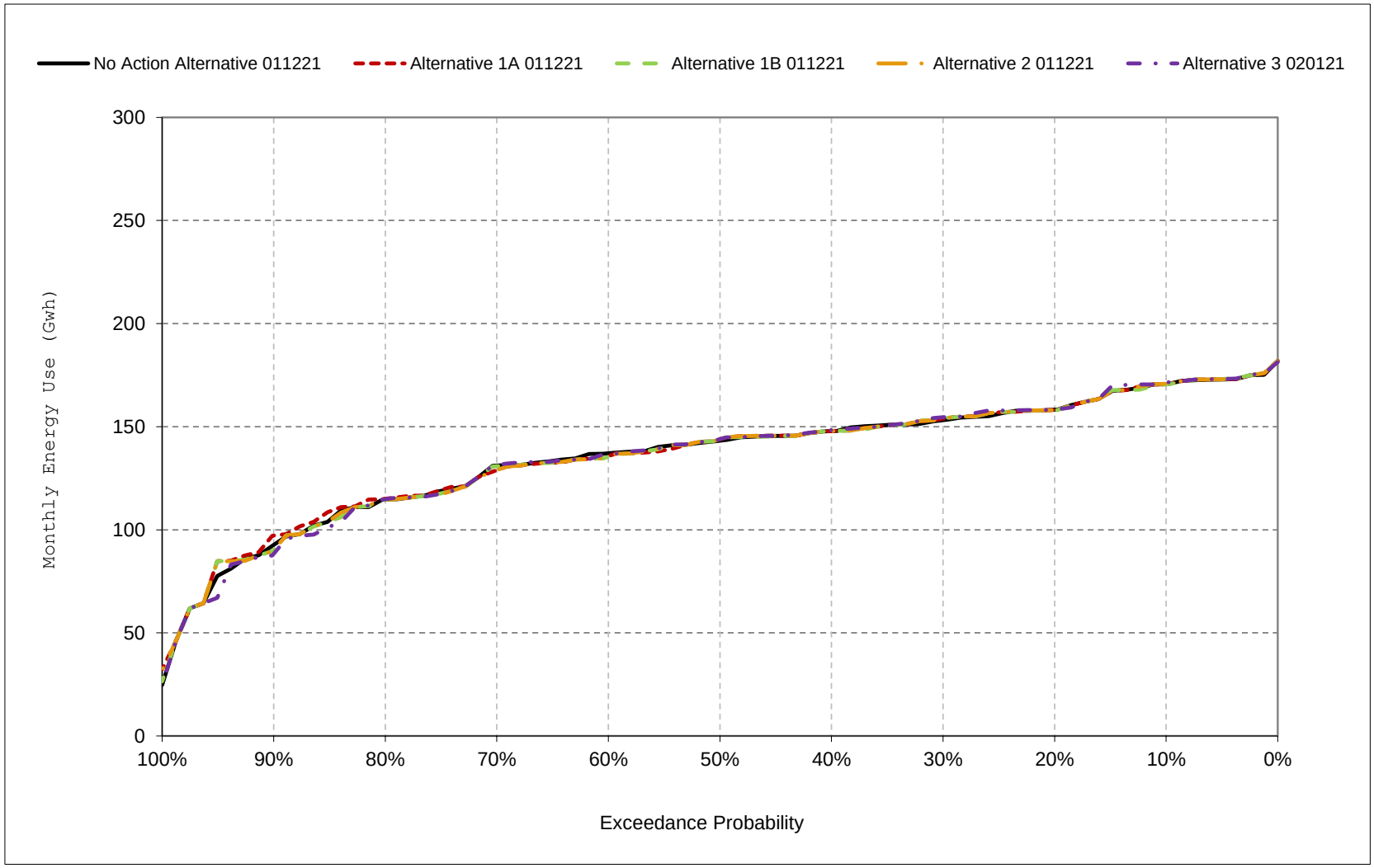
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 3-9. CVP Facilities Total Energy Use, December



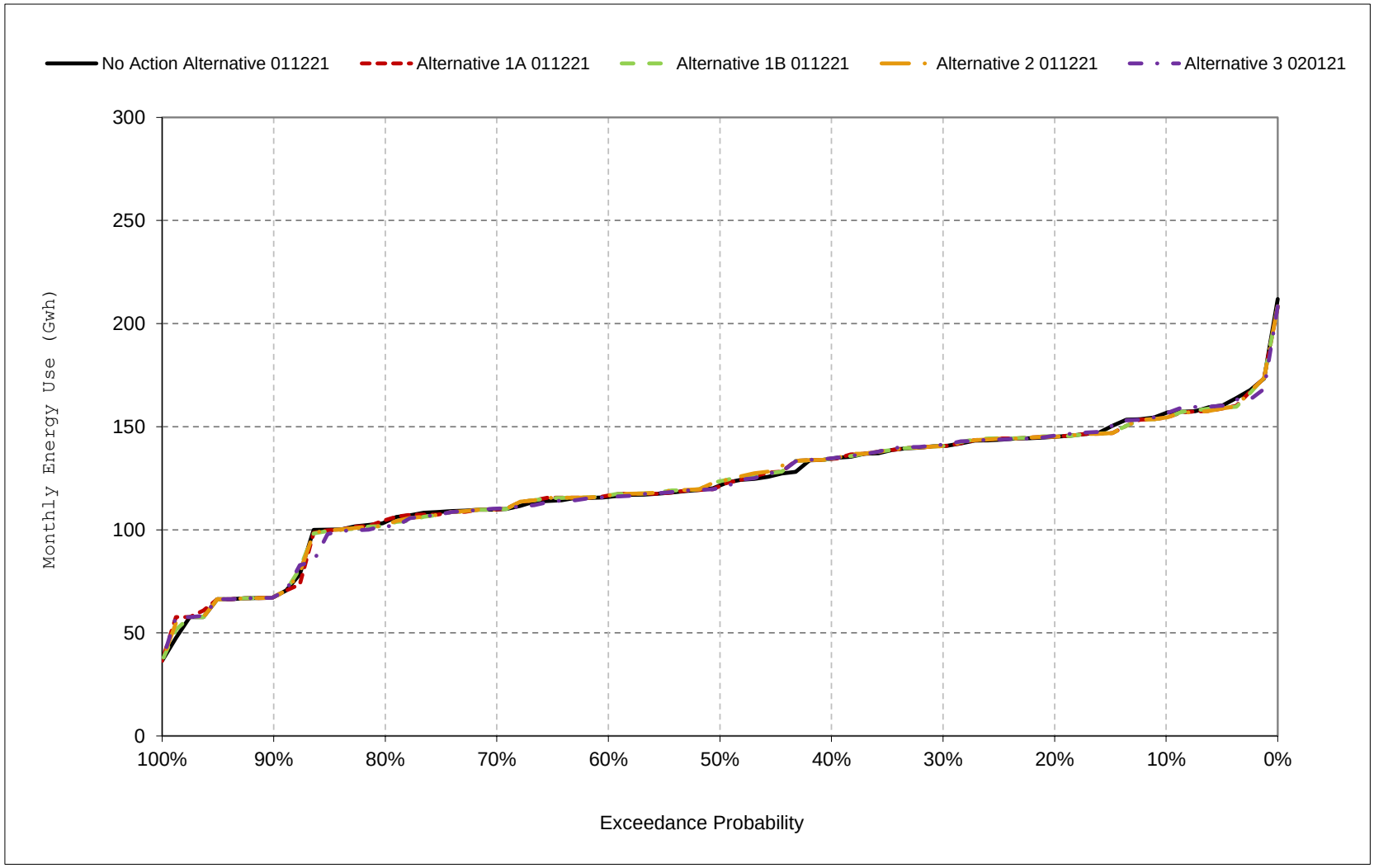
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 3-10. CVP Facilities Total Energy Use, January



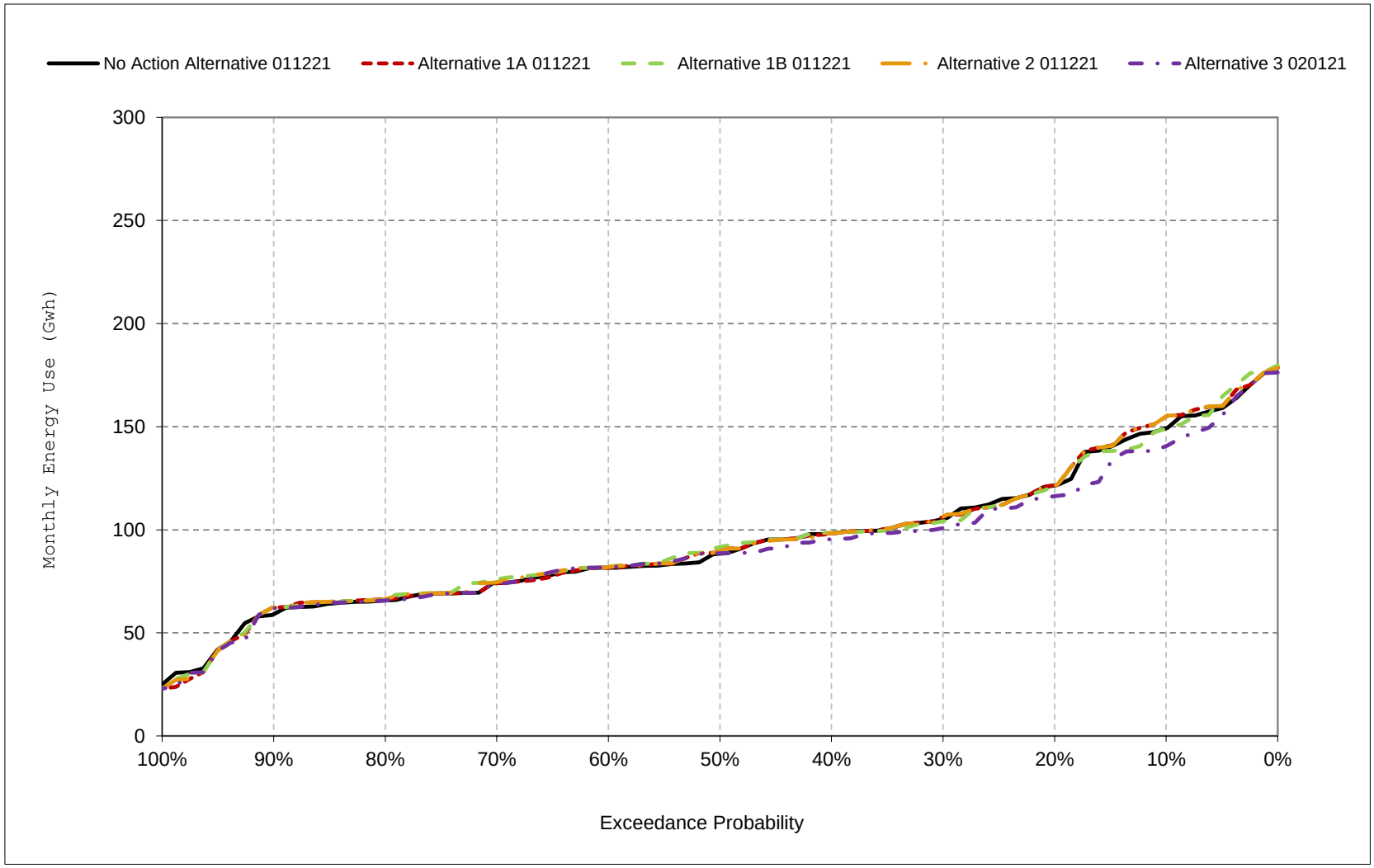
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 3-11. CVP Facilities Total Energy Use, February



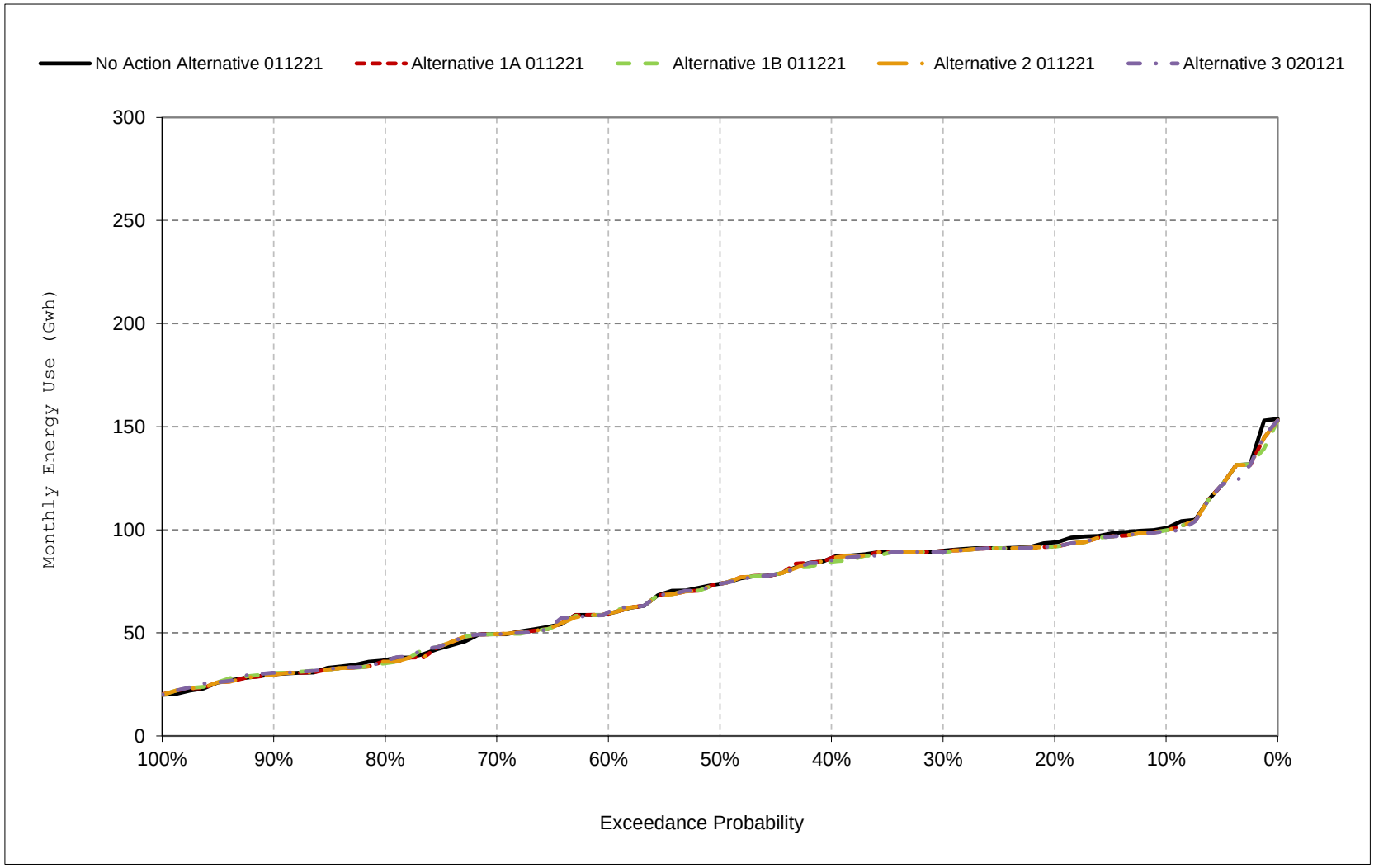
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 3-12. CVP Facilities Total Energy Use, March



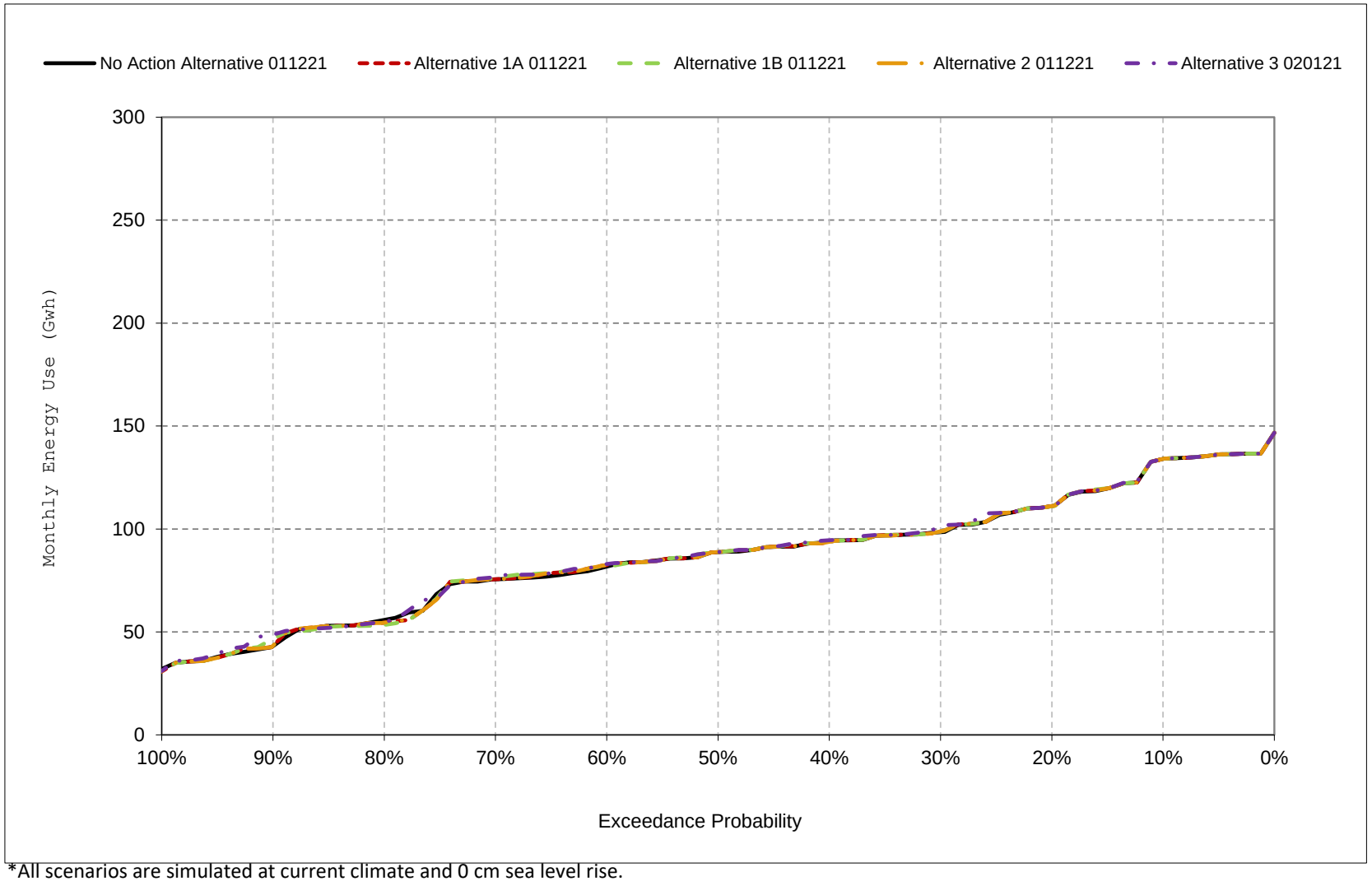
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 3-13. CVP Facilities Total Energy Use, April



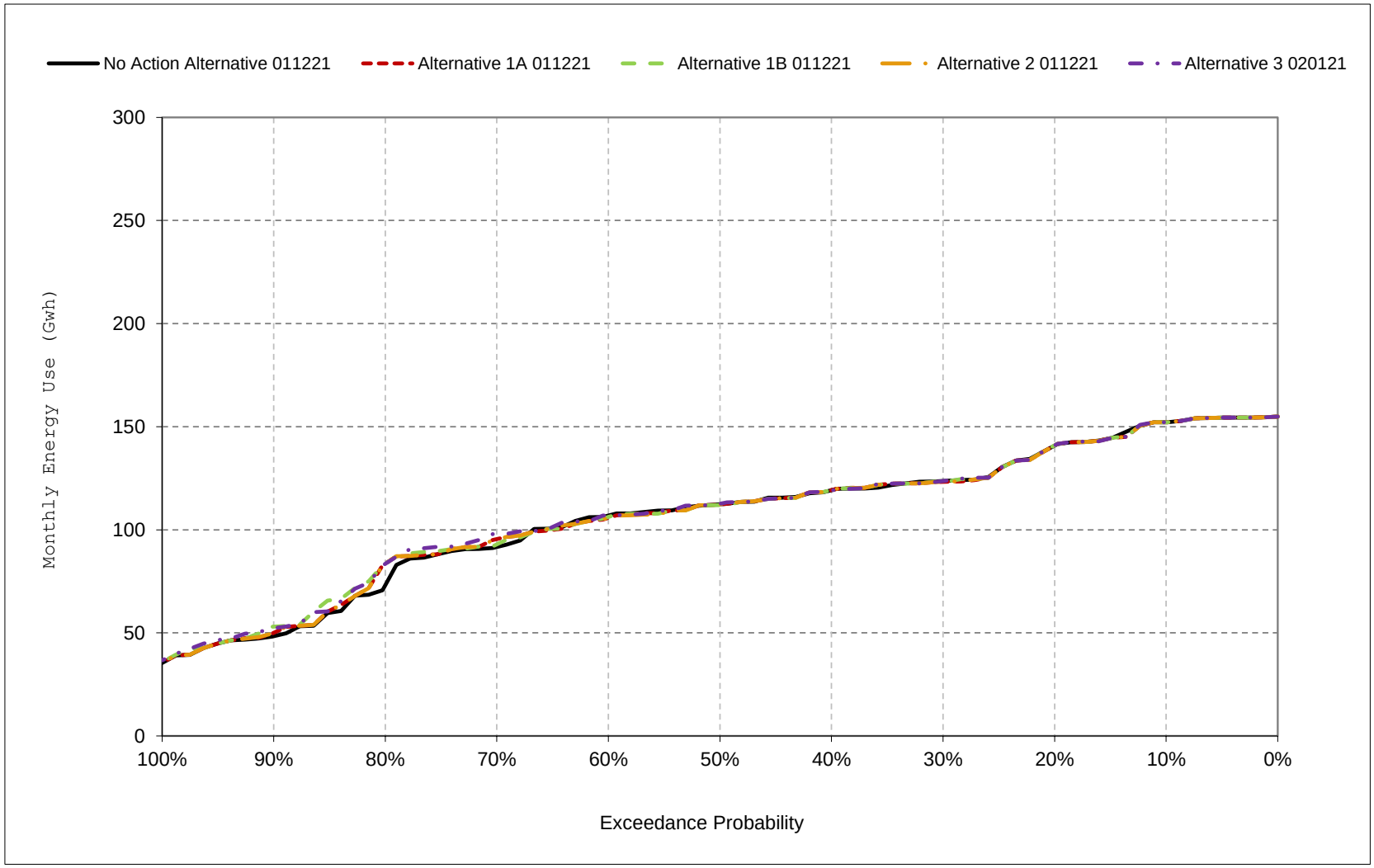
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 3-14. CVP Facilities Total Energy Use, May



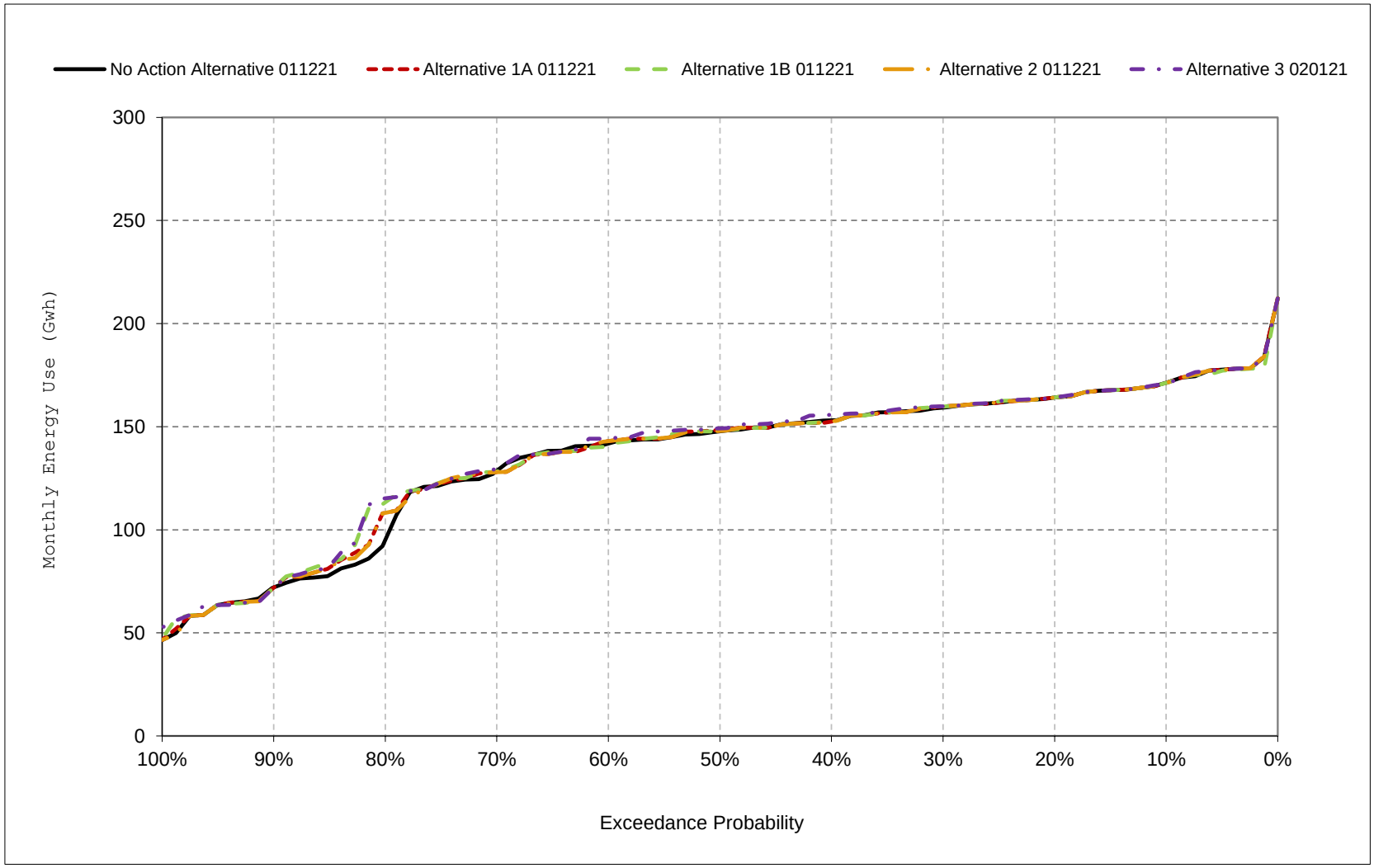
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 3-15. CVP Facilities Total Energy Use, June



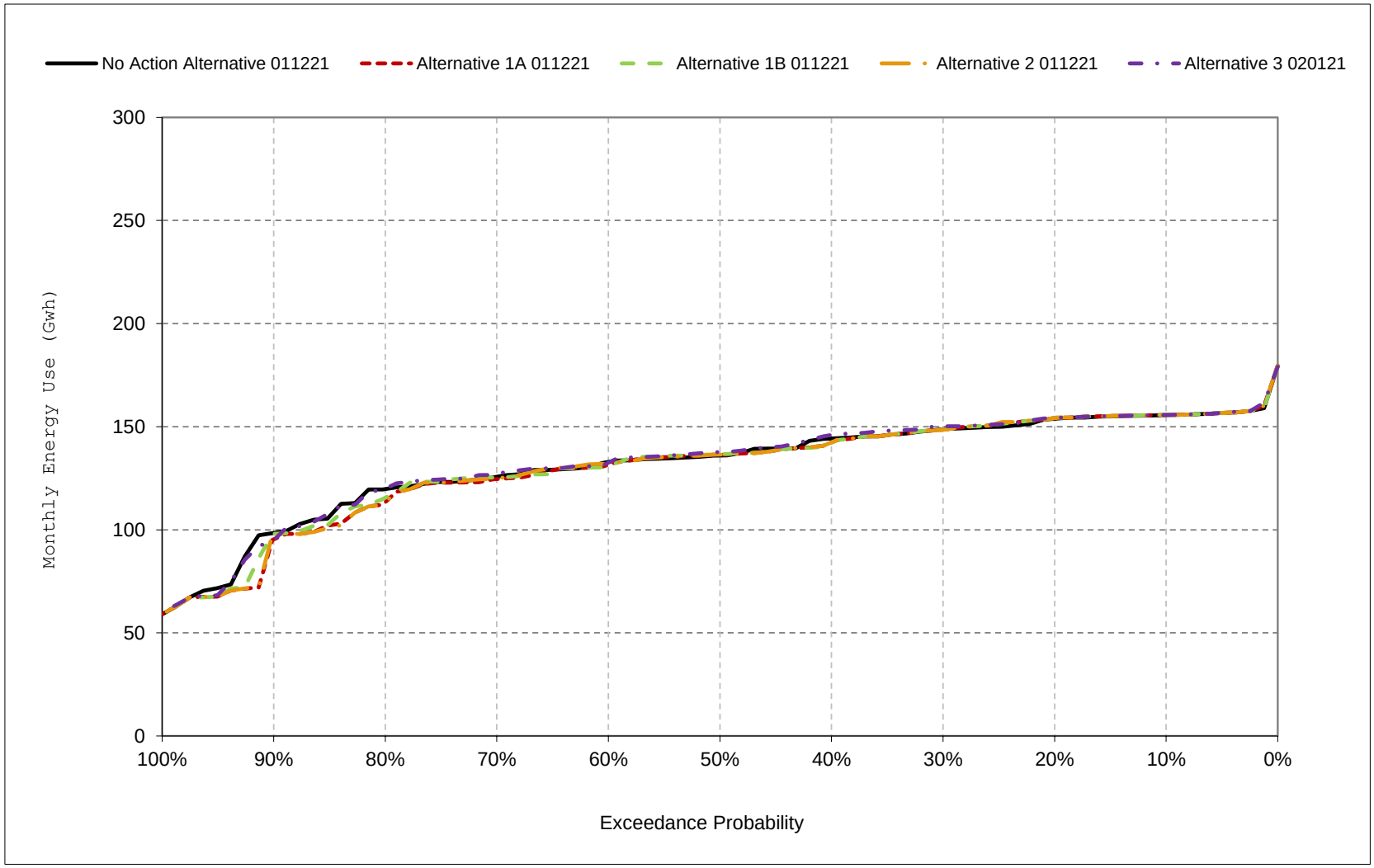
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 3-16. CVP Facilities Total Energy Use, July



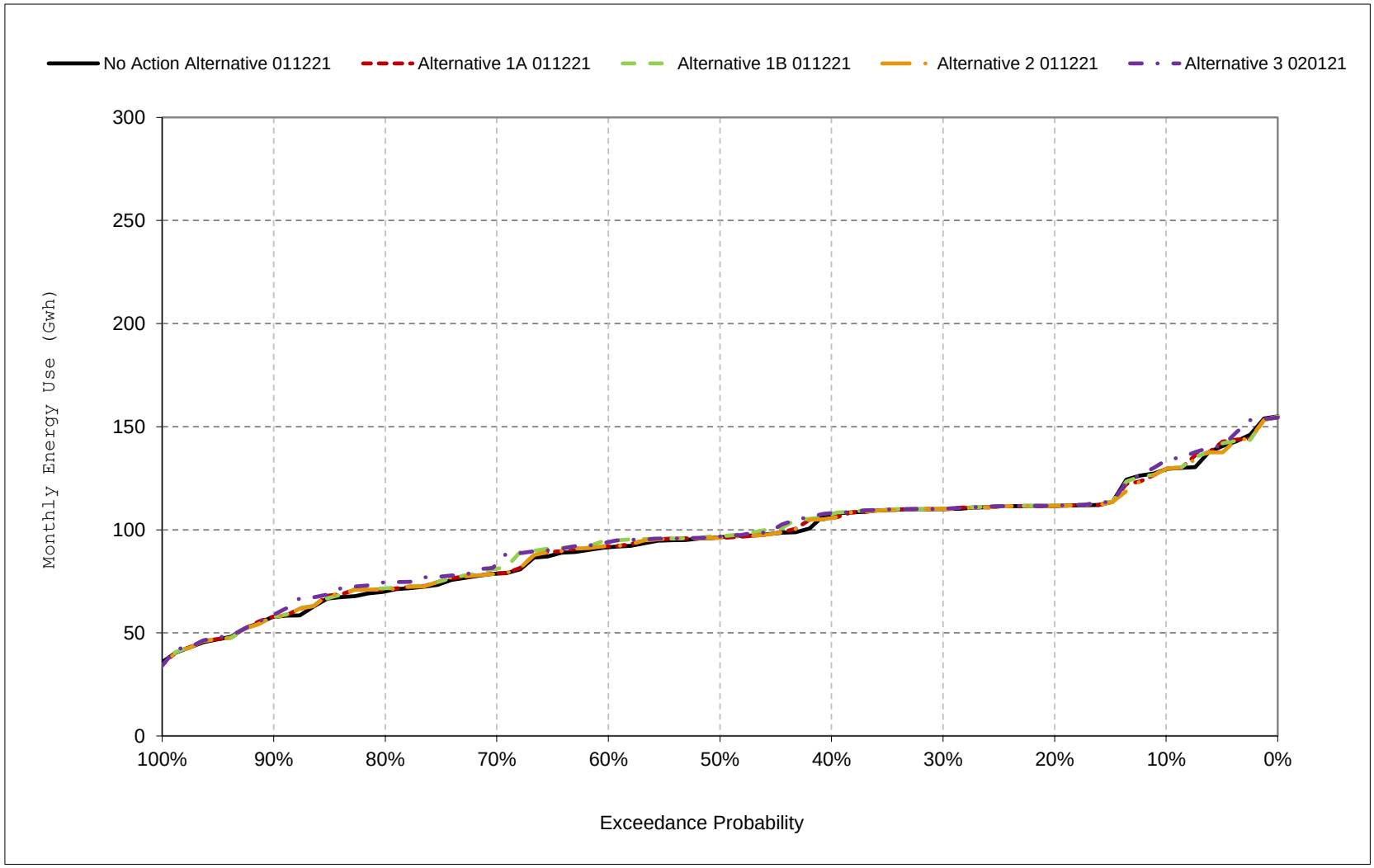
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 3-17. CVP Facilities Total Energy Use, August



*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 3-18. CVP Facilities Total Energy Use, September



*All scenarios are simulated at current climate and 0 cm sea level rise.

Table 4-1a. CVP Facilities Net Generation, No Action Alternative 011221, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	306	211	530	559	588	625	412	576	475	650	500	450
20%	287	146	288	409	499	496	292	532	450	601	454	409
30%	222	120	109	234	267	311	246	449	435	567	428	365
40%	197	107	75	128	165	164	224	427	426	535	406	333
50%	177	96	63	71	65	138	201	410	404	503	383	223
60%	156	88	38	45	53	102	191	389	391	474	368	201
70%	138	76	21	16	37	91	175	366	378	460	344	189
80%	114	66	6	0	22	70	153	329	357	419	331	168
90%	96	49	-3	-10	7	51	140	278	321	371	281	141
Long Term												
Full Simulation Period[a]	189	119	146	189	211	246	246	423	411	513	391	276
Water Year Types[b,c]												
Wet (32%)	267	147	196	433	411	446	340	520	442	546	452	409
Above Normal (15%)	198	145	122	189	315	330	248	465	409	579	433	360
Below Normal (17%)	151	115	161	63	145	130	195	394	408	527	383	192
Dry (22%)	152	101	157	21	34	100	190	368	423	494	359	178
Critical (15%)	113	61	29	60	19	84	184	286	334	385	271	147

Table 4-1b. CVP Facilities Net Generation, Alternative 1A 011221, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	307	211	530	559	588	624	412	576	469	650	497	450
20%	287	150	285	405	500	494	292	532	448	600	454	409
30%	217	126	108	237	271	311	245	448	435	573	427	363
40%	197	110	75	128	169	159	222	427	418	537	406	333
50%	181	94	60	69	68	140	200	411	403	504	389	232
60%	161	87	41	46	51	109	191	383	388	480	371	202
70%	147	72	22	21	30	91	177	360	373	461	347	190
80%	121	61	4	1	15	71	161	311	351	420	333	169
90%	96	51	-3	-12	6	51	140	264	320	378	301	142
Long Term												
Full Simulation Period[a]	192	119	146	189	211	246	246	418	408	514	394	278
Water Year Types[b,c]												
Wet (32%)	267	147	195	433	411	445	340	520	440	548	453	409
Above Normal (15%)	199	145	122	189	318	333	249	463	407	578	432	361
Below Normal (17%)	151	113	156	63	143	131	195	390	406	528	382	193
Dry (22%)	154	101	159	20	32	97	190	363	414	495	368	183
Critical (15%)	130	63	31	60	16	85	182	268	335	387	279	151

Table 4-1c. CVP Facilities Net Generation, Alternative 1A 011221 minus No Action Alternative 011221, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	-1	0	0	0	-1	0	0	-6	0	-3	0
20%	0	3	-3	-5	1	-2	0	0	-2	0	0	0
30%	-5	6	0	3	5	0	-1	-1	0	5	-1	-1
40%	1	2	0	0	4	-5	-2	0	-8	2	0	0
50%	5	-2	-2	-2	3	1	-1	1	-1	1	5	9
60%	5	-1	3	0	-2	7	0	-6	-3	6	3	2
70%	9	-3	1	5	-7	0	1	-7	-5	1	3	1
80%	7	-5	-2	1	-6	1	7	-18	-6	1	2	2
90%	0	2	0	-2	-1	0	0	-14	-2	7	21	1
Long Term												
Full Simulation Period[a]	3	0	0	0	-1	0	0	-5	-3	1	3	2
Water Year Types[b,c]												
Wet (32%)	0	0	0	0	1	-1	0	0	-2	2	1	0
Above Normal (15%)	1	0	0	0	2	2	1	-2	-2	-1	-1	0
Below Normal (17%)	0	-3	-5	0	-2	1	0	-4	-2	2	-1	1
Dry (22%)	2	0	1	-1	-2	-3	-1	-5	-9	2	9	5
Critical (15%)	17	2	3	0	-3	1	-2	-18	1	2	8	4

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 4-2a. CVP Facilities Net Generation, No Action Alternative 011221, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	306	211	530	559	588	625	412	576	475	650	500	450
20%	287	146	288	409	499	496	292	532	450	601	454	409
30%	222	120	109	234	267	311	246	449	435	567	428	365
40%	197	107	75	128	165	164	224	427	426	535	406	333
50%	177	96	63	71	65	138	201	410	404	503	383	223
60%	156	88	38	45	53	102	191	389	391	474	368	201
70%	138	76	21	16	37	91	175	366	378	460	344	189
80%	114	66	6	0	22	70	153	329	357	419	331	168
90%	96	49	-3	-10	7	51	140	278	321	371	281	141
Long Term												
Full Simulation Period[a]	189	119	146	189	211	246	246	423	411	513	391	276
Water Year Types[b,c]												
Wet (32%)	267	147	196	433	411	446	340	520	442	546	452	409
Above Normal (15%)	198	145	122	189	315	330	248	465	409	579	433	360
Below Normal (17%)	151	115	161	63	145	130	195	394	408	527	383	192
Dry (22%)	152	101	157	21	34	100	190	368	423	494	359	178
Critical (15%)	113	61	29	60	19	84	184	286	334	385	271	147

Table 4-2b. CVP Facilities Net Generation, Alternative 1B 011221, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	304	211	539	563	590	620	412	576	469	649	497	452
20%	288	156	296	405	500	494	286	532	443	604	455	409
30%	220	129	114	238	271	311	241	448	428	572	427	365
40%	199	107	74	128	184	163	225	422	411	540	406	338
50%	178	93	62	69	67	140	201	402	398	503	387	226
60%	162	84	51	47	52	103	191	381	384	481	364	207
70%	147	71	22	17	31	91	178	354	371	451	346	194
80%	121	60	6	2	20	71	161	311	350	414	334	170
90%	98	51	-1	-11	7	52	140	262	306	379	300	142
Long Term												
Full Simulation Period[a]	192	119	148	189	213	246	245	415	404	513	393	278
Water Year Types[b,c]												
Wet (32%)	267	145	194	434	411	445	340	520	440	548	453	409
Above Normal (15%)	201	146	128	191	321	331	250	462	387	570	432	365
Below Normal (17%)	153	119	159	62	148	133	195	382	400	528	382	194
Dry (22%)	151	102	165	21	34	99	186	359	416	496	365	181
Critical (15%)	129	64	31	60	18	83	182	266	333	387	280	152

Table 4-2c. CVP Facilities Net Generation, Alternative 1B 011221 minus No Action Alternative 011221, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-3	-1	9	4	2	-5	0	0	-6	-1	-3	2
20%	1	10	8	-5	1	-3	-6	0	-7	3	1	0
30%	-3	8	6	4	5	0	-5	-1	-8	5	-1	1
40%	2	-1	-1	0	19	-1	2	-5	-15	5	0	6
50%	1	-3	-1	-2	2	2	-1	-8	-7	0	4	3
60%	5	-3	12	2	0	1	-1	-8	-7	7	-4	6
70%	9	-5	1	0	-6	0	3	-13	-7	-9	2	5
80%	7	-6	0	2	-2	1	8	-18	-7	-5	3	2
90%	2	2	3	-1	-1	1	0	-17	-15	8	19	1
Long Term												
Full Simulation Period[a]	3	1	2	0	2	0	-1	-7	-7	0	3	2
Water Year Types[b,c]												
Wet (32%)	0	-2	-2	1	1	-1	0	0	-2	2	1	0
Above Normal (15%)	3	1	6	2	6	1	2	-2	-22	-9	-1	5
Below Normal (17%)	2	3	-2	-1	3	2	0	-13	-8	1	0	2
Dry (22%)	-1	2	8	0	0	-1	-5	-9	-7	2	6	3
Critical (15%)	16	3	3	0	-1	0	-2	-19	-1	2	9	5

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 4-3a. CVP Facilities Net Generation, No Action Alternative 011221, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	306	211	530	559	588	625	412	576	475	650	500	450
20%	287	146	288	409	499	496	292	532	450	601	454	409
30%	222	120	109	234	267	311	246	449	435	567	428	365
40%	197	107	75	128	165	164	224	427	426	535	406	333
50%	177	96	63	71	65	138	201	410	404	503	383	223
60%	156	88	38	45	53	102	191	389	391	474	368	201
70%	138	76	21	16	37	91	175	366	378	460	344	189
80%	114	66	6	0	22	70	153	329	357	419	331	168
90%	96	49	-3	-10	7	51	140	278	321	371	281	141
Long Term												
Full Simulation Period[a]	189	119	146	189	211	246	246	423	411	513	391	276
Water Year Types[b,c]												
Wet (32%)	267	147	196	433	411	446	340	520	442	546	452	409
Above Normal (15%)	198	145	122	189	315	330	248	465	409	579	433	360
Below Normal (17%)	151	115	161	63	145	130	195	394	408	527	383	192
Dry (22%)	152	101	157	21	34	100	190	368	423	494	359	178
Critical (15%)	113	61	29	60	19	84	184	286	334	385	271	147

Table 4-3b. CVP Facilities Net Generation, Alternative 2 011221, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	307	211	530	559	588	624	412	576	469	650	497	450
20%	290	150	286	405	500	494	292	532	448	600	454	409
30%	218	122	108	237	271	311	245	448	435	572	427	363
40%	197	110	77	128	166	159	222	427	418	537	406	333
50%	180	94	61	69	67	140	200	411	403	504	389	232
60%	161	87	41	46	51	105	191	383	388	480	371	202
70%	148	72	22	20	31	91	177	360	373	461	347	189
80%	121	61	4	1	19	71	161	311	351	420	333	168
90%	96	51	-2	-12	7	51	140	262	320	378	301	141
Long Term												
Full Simulation Period[a]	192	118	146	189	211	246	246	418	408	514	394	278
Water Year Types[b,c]												
Wet (32%)	267	147	195	432	411	445	340	520	440	548	453	409
Above Normal (15%)	199	145	122	189	318	331	249	463	407	577	432	361
Below Normal (17%)	152	113	157	63	142	131	195	390	406	528	382	193
Dry (22%)	154	100	159	21	32	97	190	363	414	495	368	183
Critical (15%)	128	64	32	61	18	84	182	268	335	387	280	151

Table 4-3c. CVP Facilities Net Generation, Alternative 2 011221 minus No Action Alternative 011221, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	-1	0	0	0	-1	0	0	-6	0	-3	0
20%	3	3	-2	-5	1	-3	0	0	-2	0	0	0
30%	-4	2	0	3	5	0	-1	-1	0	5	-1	-1
40%	1	2	1	0	1	-5	-2	0	-8	2	0	0
50%	3	-2	-2	-2	2	2	-1	1	-1	1	5	9
60%	5	0	3	0	-2	3	0	-6	-3	6	3	2
70%	10	-4	1	4	-6	0	2	-7	-5	1	3	1
80%	7	-5	-2	1	-2	1	8	-18	-6	1	2	1
90%	0	2	1	-2	0	0	0	-17	-1	7	20	0
Long Term												
Full Simulation Period[a]	3	0	0	0	0	-1	0	-5	-3	1	3	2
Water Year Types[b,c]												
Wet (32%)	0	0	0	0	1	-1	0	0	-2	2	1	0
Above Normal (15%)	1	0	0	0	3	1	1	-2	-2	-1	-1	0
Below Normal (17%)	1	-3	-4	0	-3	1	0	-4	-2	2	-1	1
Dry (22%)	2	-1	1	-1	-2	-3	-1	-5	-9	1	9	5
Critical (15%)	15	3	3	1	-1	0	-2	-18	0	2	9	4

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 4-4a. CVP Facilities Net Generation, No Action Alternative 011221, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	306	211	530	559	588	625	412	576	475	650	500	450
20%	287	146	288	409	499	496	292	532	450	601	454	409
30%	222	120	109	234	267	311	246	449	435	567	428	365
40%	197	107	75	128	165	164	224	427	426	535	406	333
50%	177	96	63	71	65	138	201	410	404	503	383	223
60%	156	88	38	45	53	102	191	389	391	474	368	201
70%	138	76	21	16	37	91	175	366	378	460	344	189
80%	114	66	6	0	22	70	153	329	357	419	331	168
90%	96	49	-3	-10	7	51	140	278	321	371	281	141
Long Term												
Full Simulation Period[a]	189	119	146	189	211	246	246	423	411	513	391	276
Water Year Types[b,c]												
Wet (32%)	267	147	196	433	411	446	340	520	442	546	452	409
Above Normal (15%)	198	145	122	189	315	330	248	465	409	579	433	360
Below Normal (17%)	151	115	161	63	145	130	195	394	408	527	383	192
Dry (22%)	152	101	157	21	34	100	190	368	423	494	359	178
Critical (15%)	113	61	29	60	19	84	184	286	334	385	271	147

Table 4-4b. CVP Facilities Net Generation, Alternative 3 020121, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	309	211	528	558	596	620	412	576	456	636	495	450
20%	291	157	307	404	499	494	286	532	441	586	444	409
30%	224	128	123	238	300	311	241	444	422	556	422	370
40%	199	110	83	124	188	178	224	423	407	532	405	337
50%	179	98	72	70	62	148	202	392	391	500	380	225
60%	165	85	56	48	52	106	191	375	379	472	360	210
70%	148	78	27	21	34	92	175	351	359	450	344	192
80%	122	65	9	2	18	73	161	311	343	412	330	170
90%	99	55	-1	-10	7	56	140	264	312	377	298	142
Long Term												
Full Simulation Period[a]	193	122	154	190	215	250	245	414	397	505	388	279
Water Year Types[b,c]												
Wet (32%)	267	145	194	434	411	449	340	520	440	547	453	409
Above Normal (15%)	200	153	137	191	332	335	251	463	379	543	407	368
Below Normal (17%)	157	124	173	63	150	141	197	380	379	516	382	197
Dry (22%)	151	104	173	23	36	102	187	352	405	488	361	181
Critical (15%)	131	64	32	61	16	83	180	266	334	388	278	152

Table 4-4c. CVP Facilities Net Generation, Alternative 3 020121 minus No Action Alternative 011221, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2	-1	-2	-1	8	-5	0	0	-19	-14	-5	0
20%	4	11	19	-6	-1	-2	-6	0	-9	-15	-10	0
30%	2	7	14	4	33	0	-4	-5	-13	-12	-6	6
40%	3	3	8	-4	24	14	0	-4	-19	-3	-1	4
50%	3	2	9	0	-3	10	0	-18	-14	-3	-3	2
60%	9	-3	18	2	-1	3	0	-15	-12	-1	-9	10
70%	10	2	6	4	-3	0	0	-16	-20	-10	0	3
80%	8	-1	2	3	-4	4	8	-18	-14	-7	-1	3
90%	3	5	3	0	-1	5	0	-15	-10	6	18	1
Long Term												
Full Simulation Period[a]	4	3	7	1	3	4	0	-9	-14	-8	-2	3
Water Year Types[b,c]												
Wet (32%)	0	-2	-2	1	1	3	0	0	-2	1	1	0
Above Normal (15%)	2	8	14	2	17	4	3	-2	-30	-36	-26	8
Below Normal (17%)	6	8	12	0	5	11	2	-14	-29	-10	-1	5
Dry (22%)	-1	3	16	2	2	2	-4	-16	-18	-6	2	2
Critical (15%)	18	3	3	1	-4	-1	-3	-20	0	2	6	5

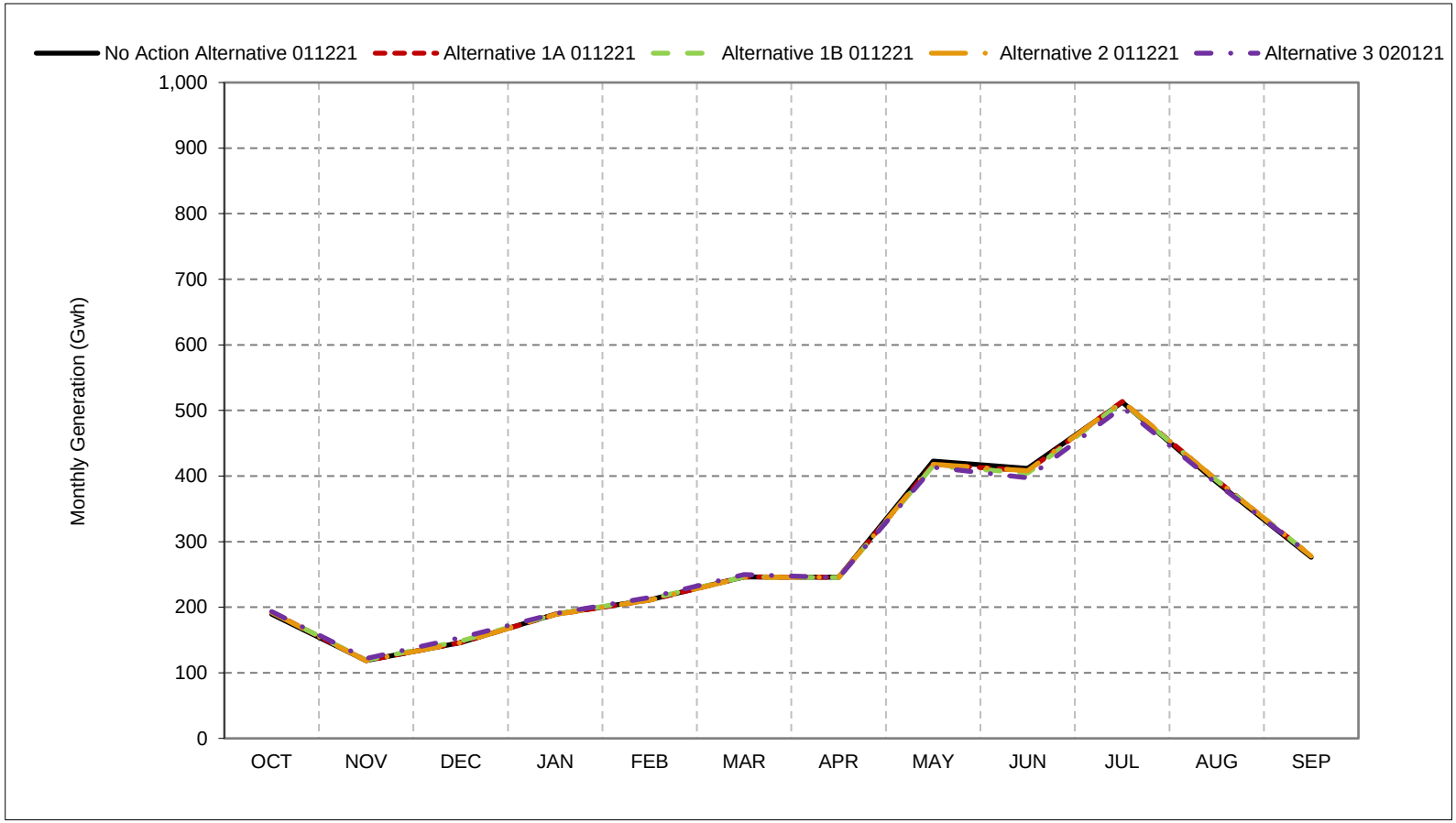
a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 4-1. CVP Facilities Net Generation, Long-Term Average Generation

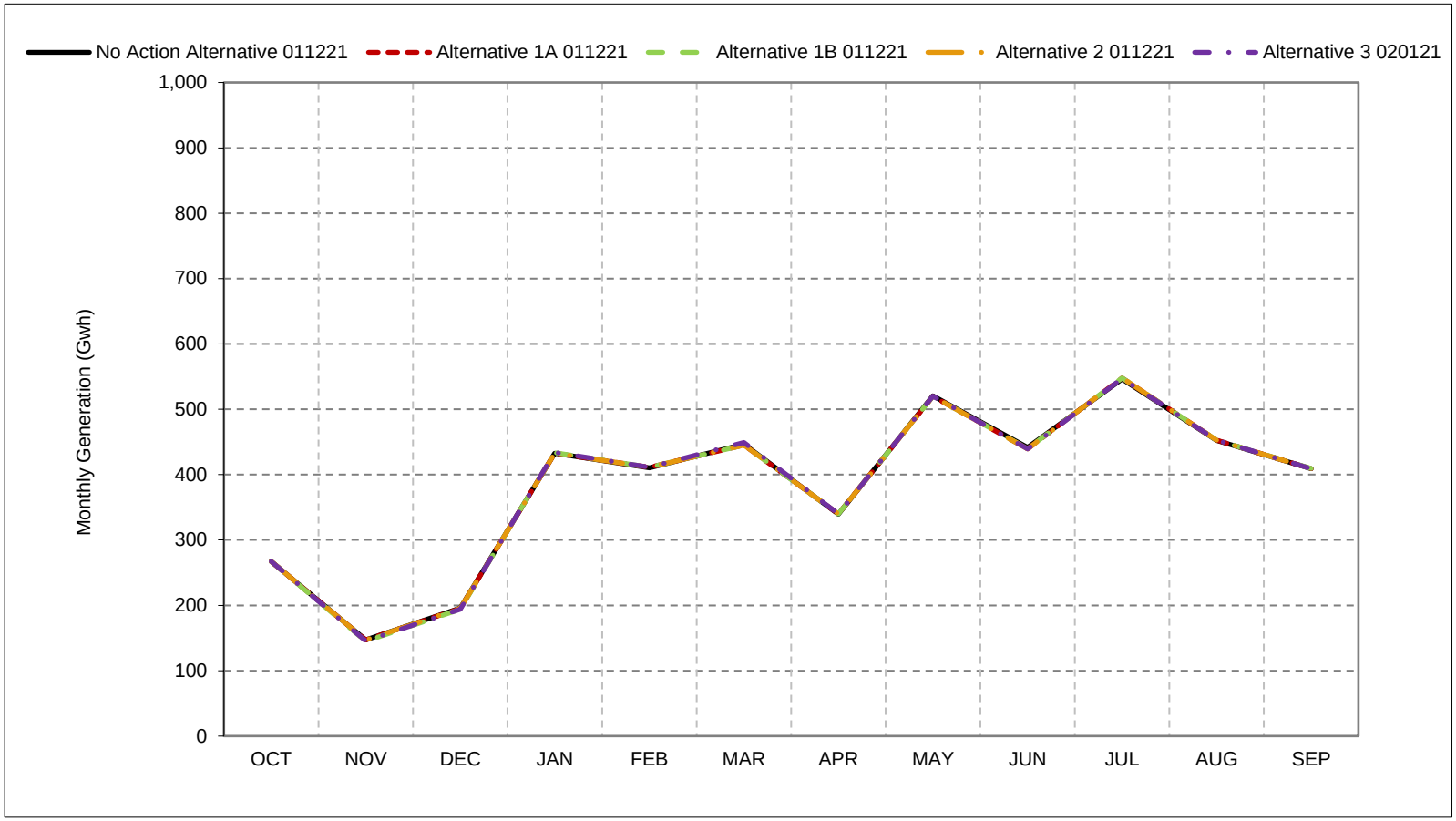


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 4-2. CVP Facilities Net Generation, Wet Year Average Generation

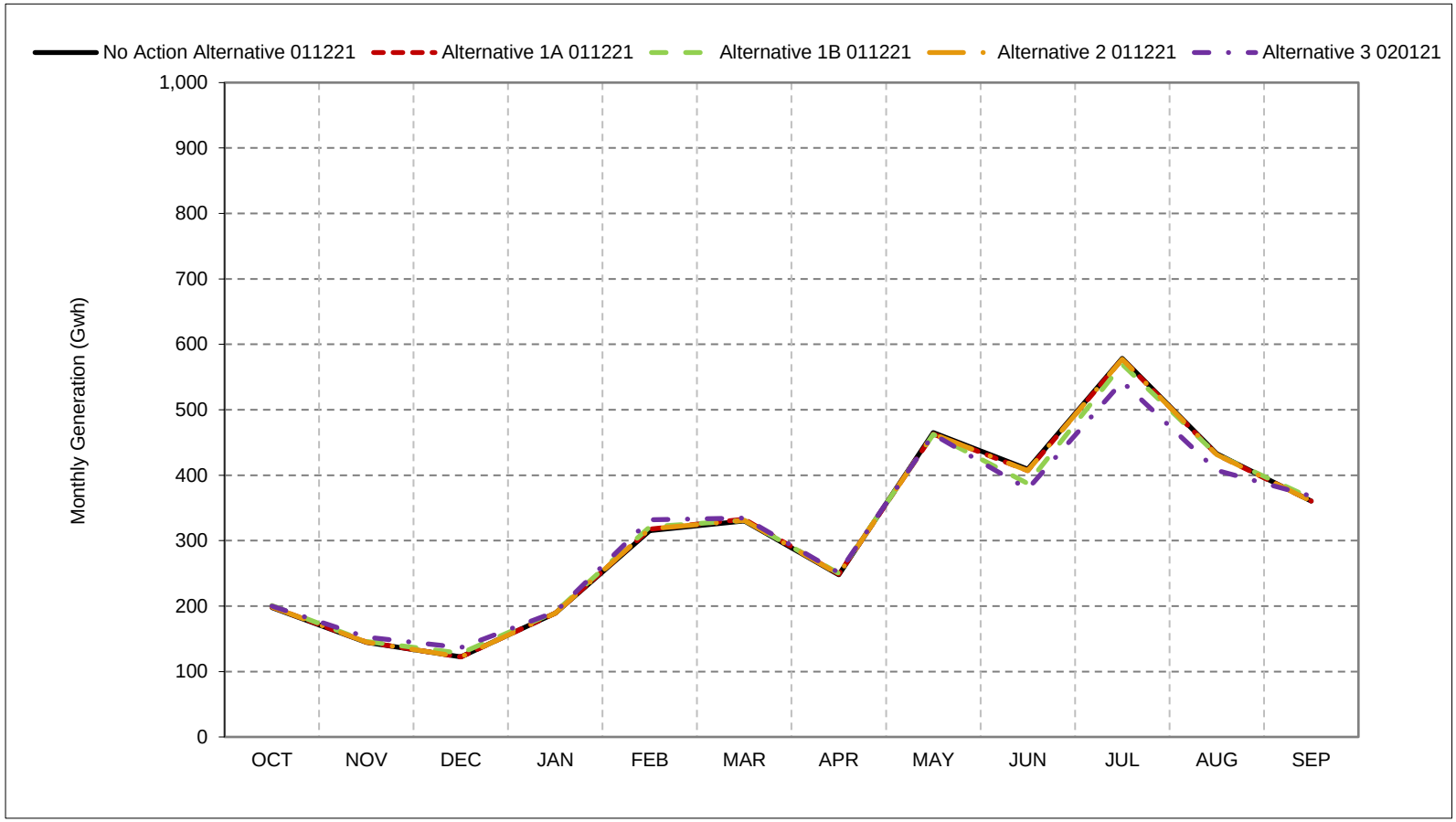


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 4-3. CVP Facilities Net Generation, Above Normal Year Average Generation

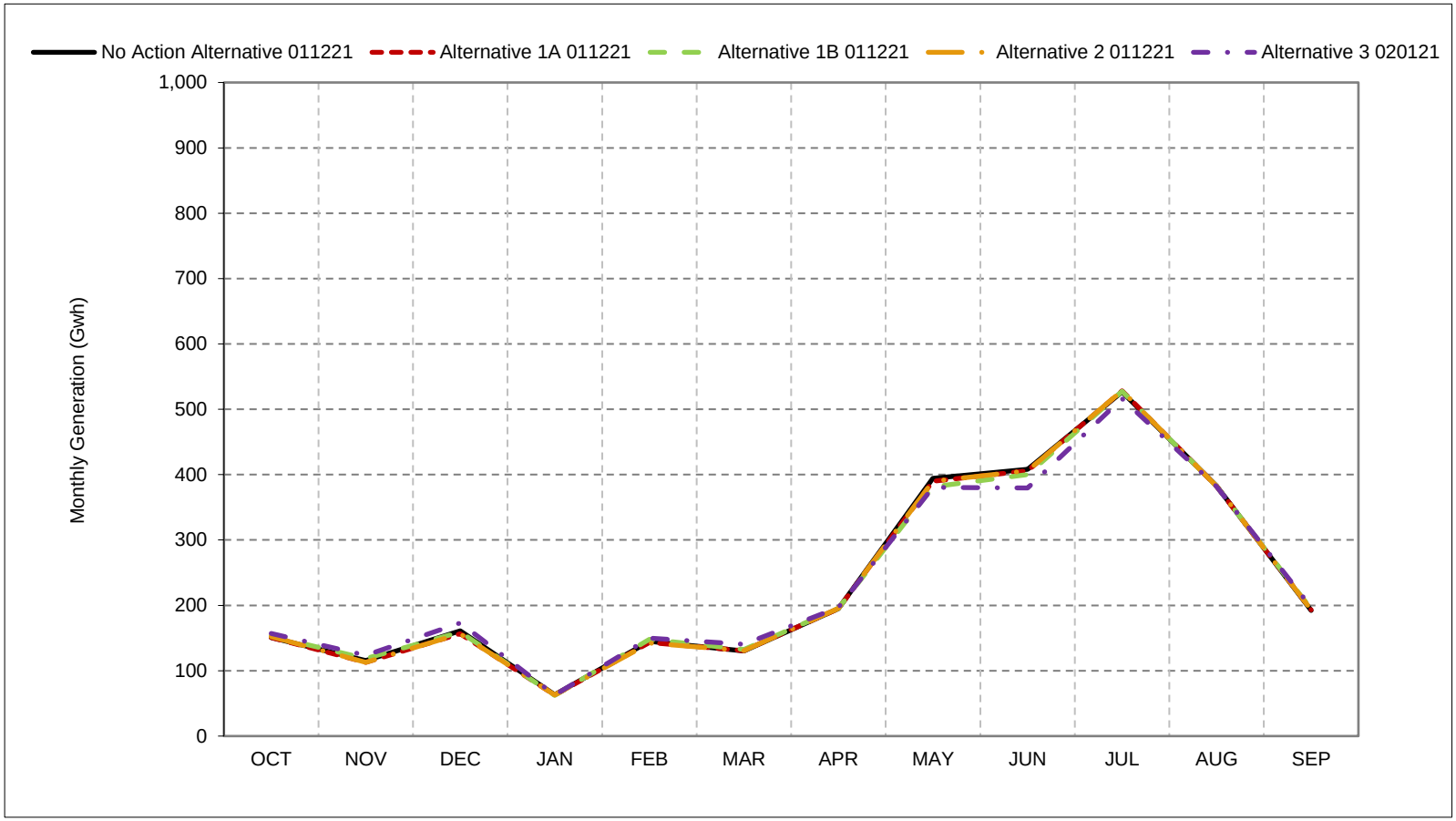


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 4-4. CVP Facilities Net Generation, Below Normal Year Average Generation

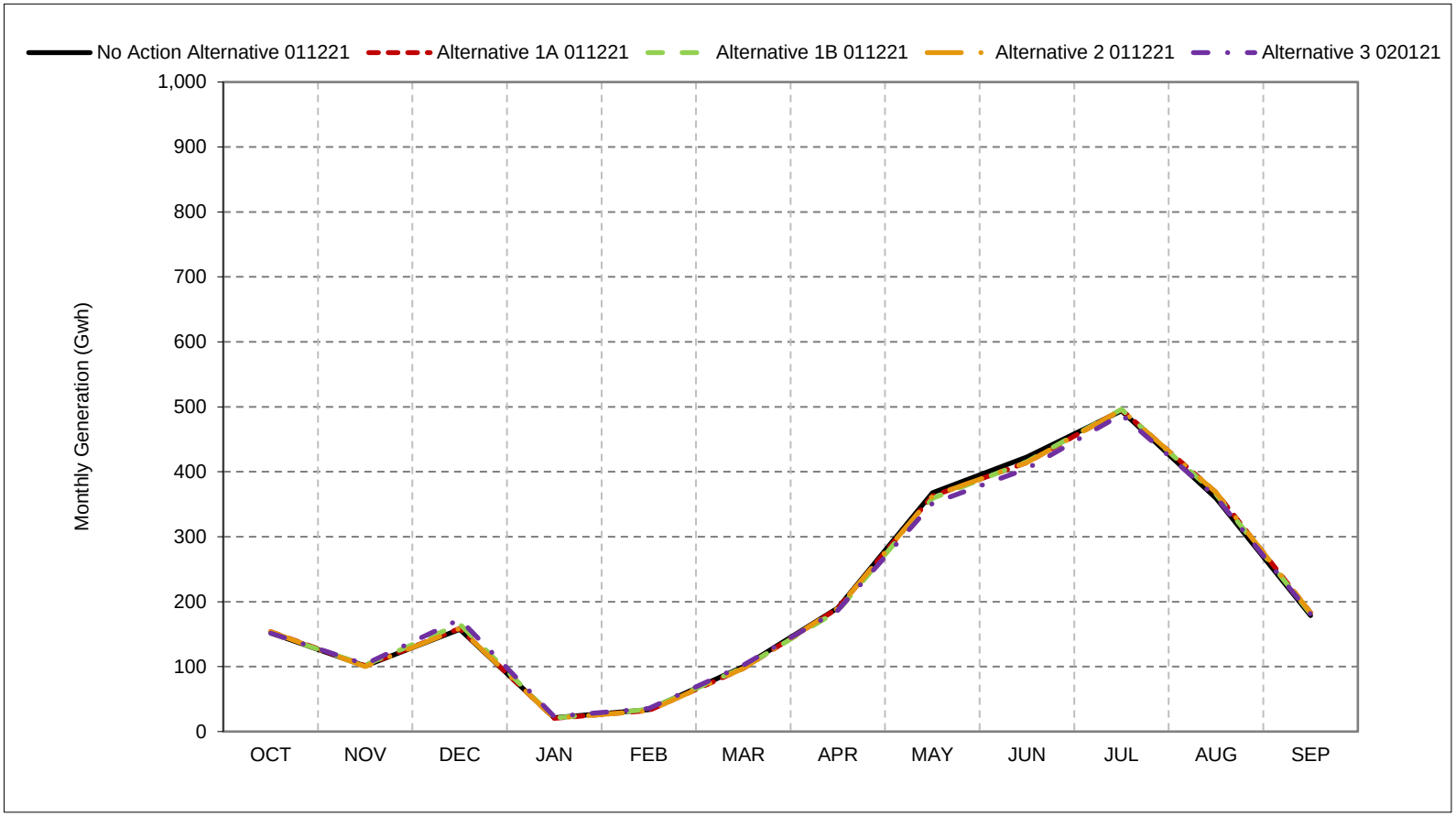


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 4-5. CVP Facilities Net Generation, Dry Year Average Generation

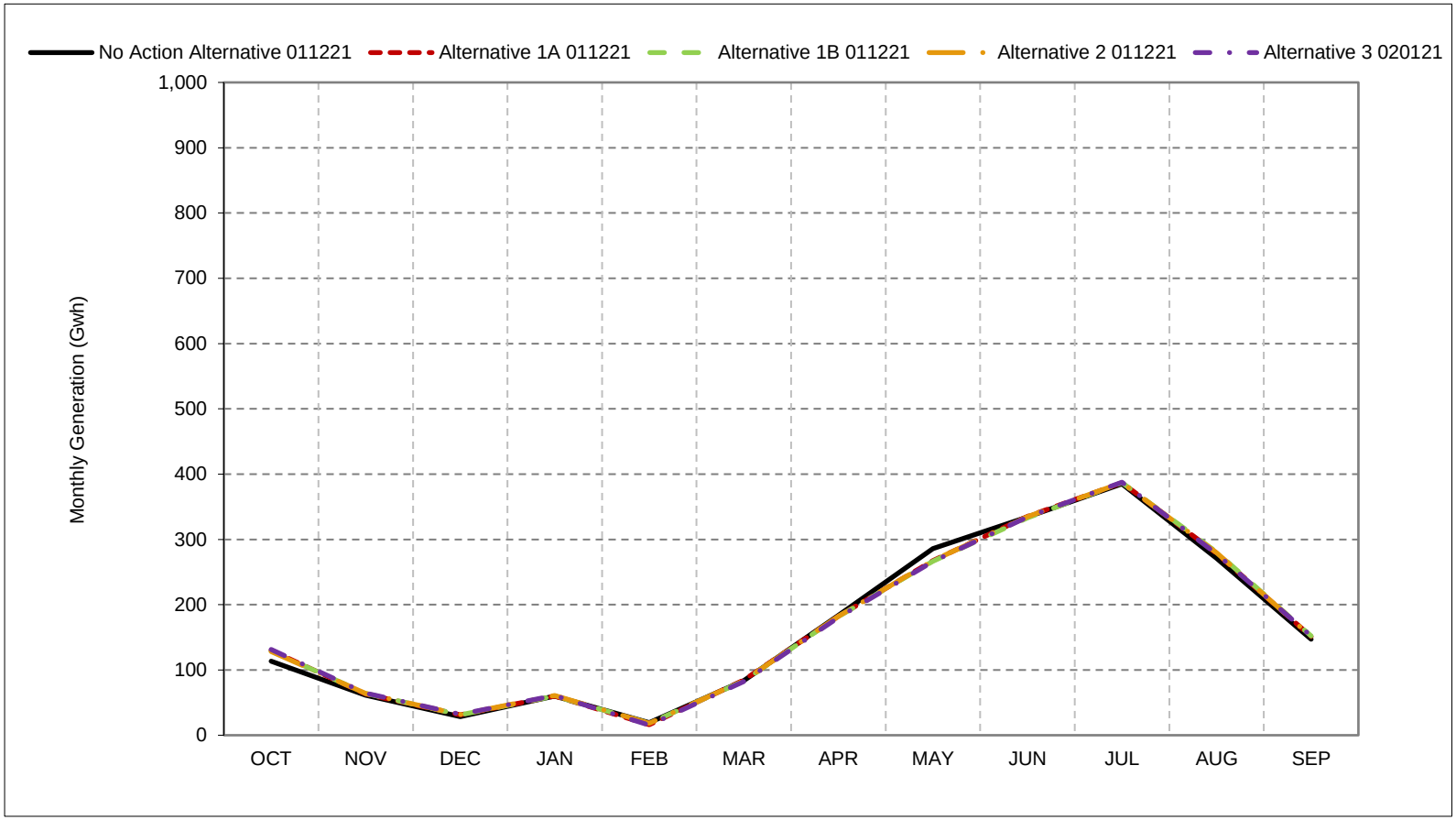


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 4-6. CVP Facilities Net Generation, Critical Year Average Generation

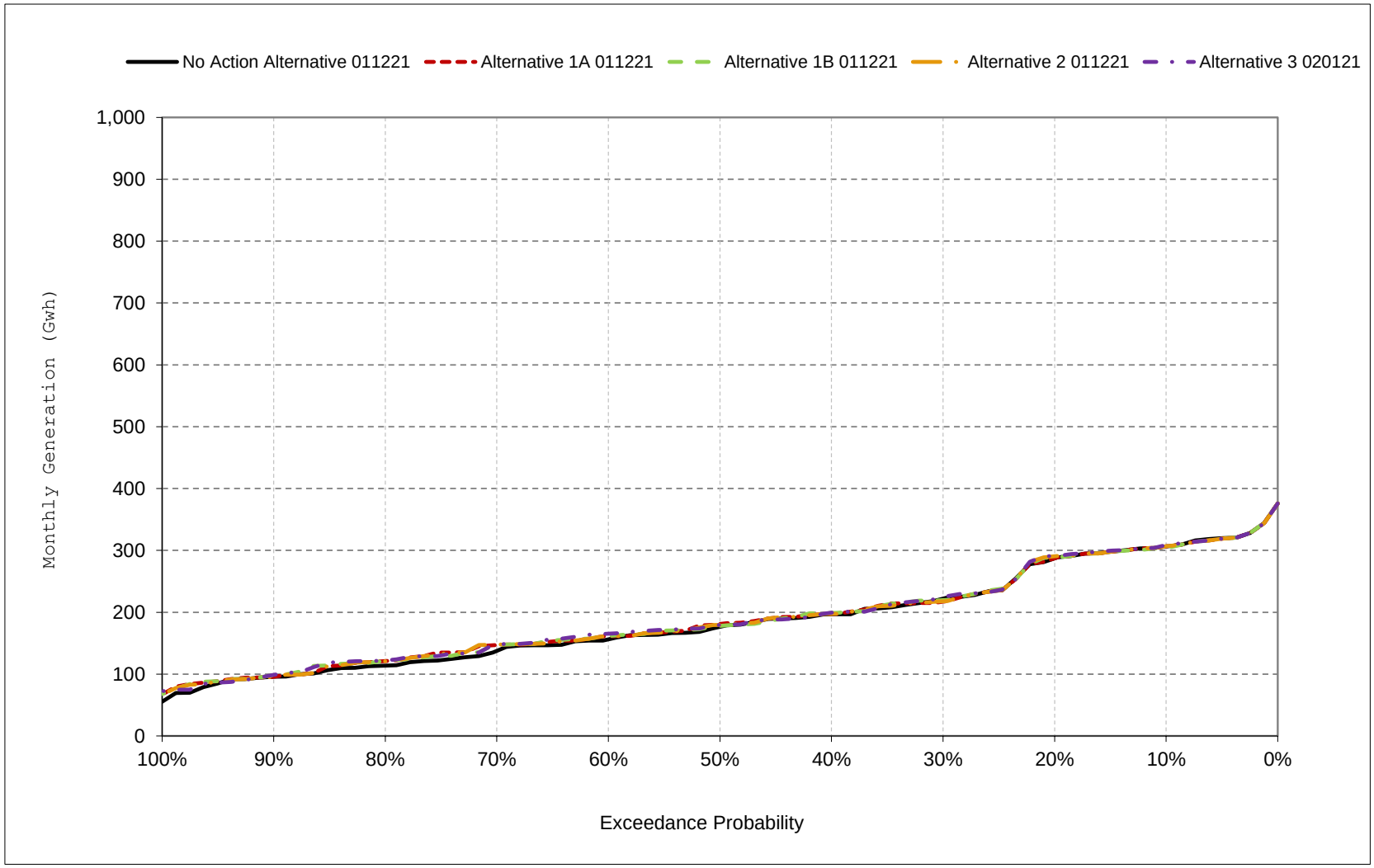


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

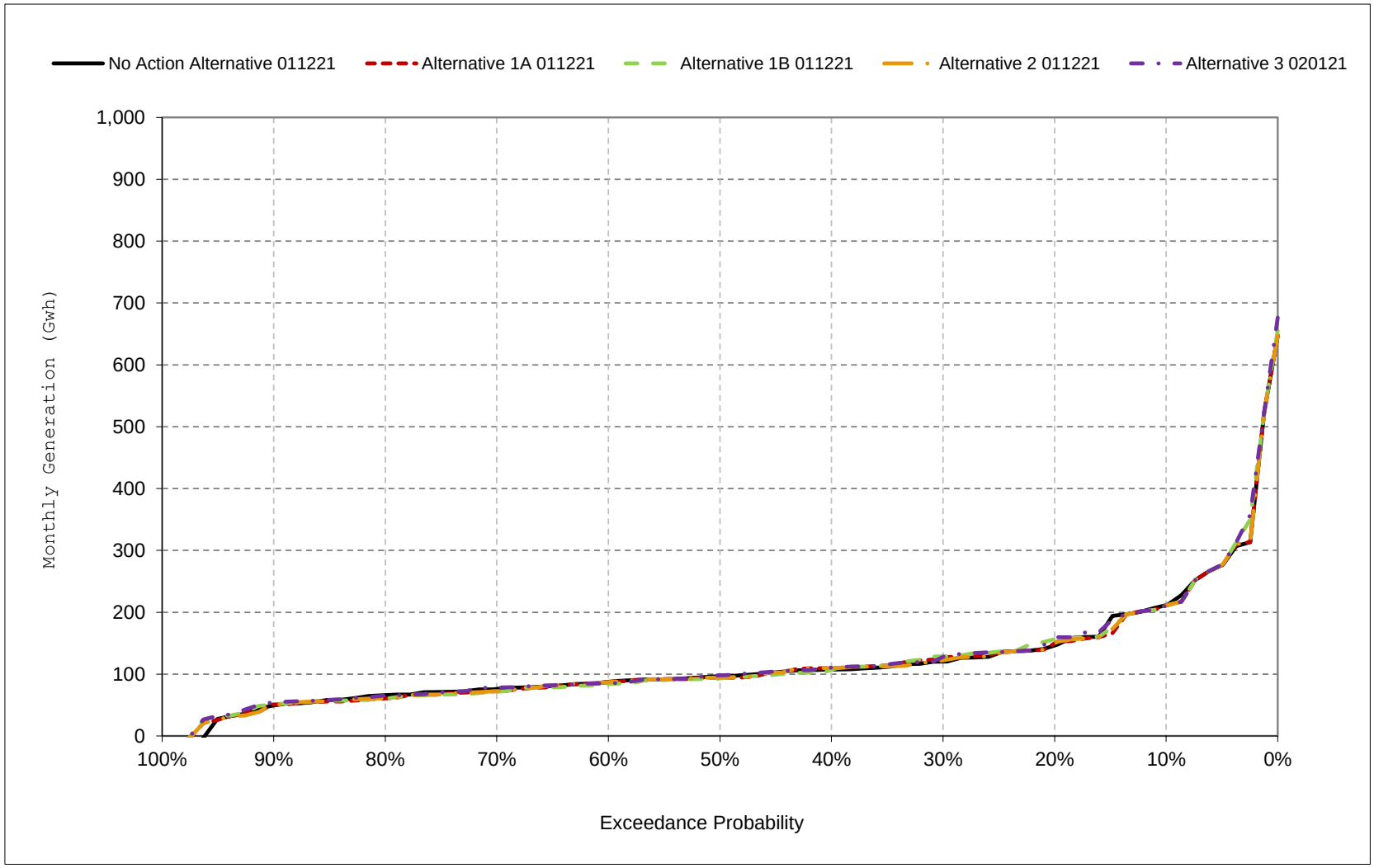
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 4-7. CVP Facilities Net Generation, October



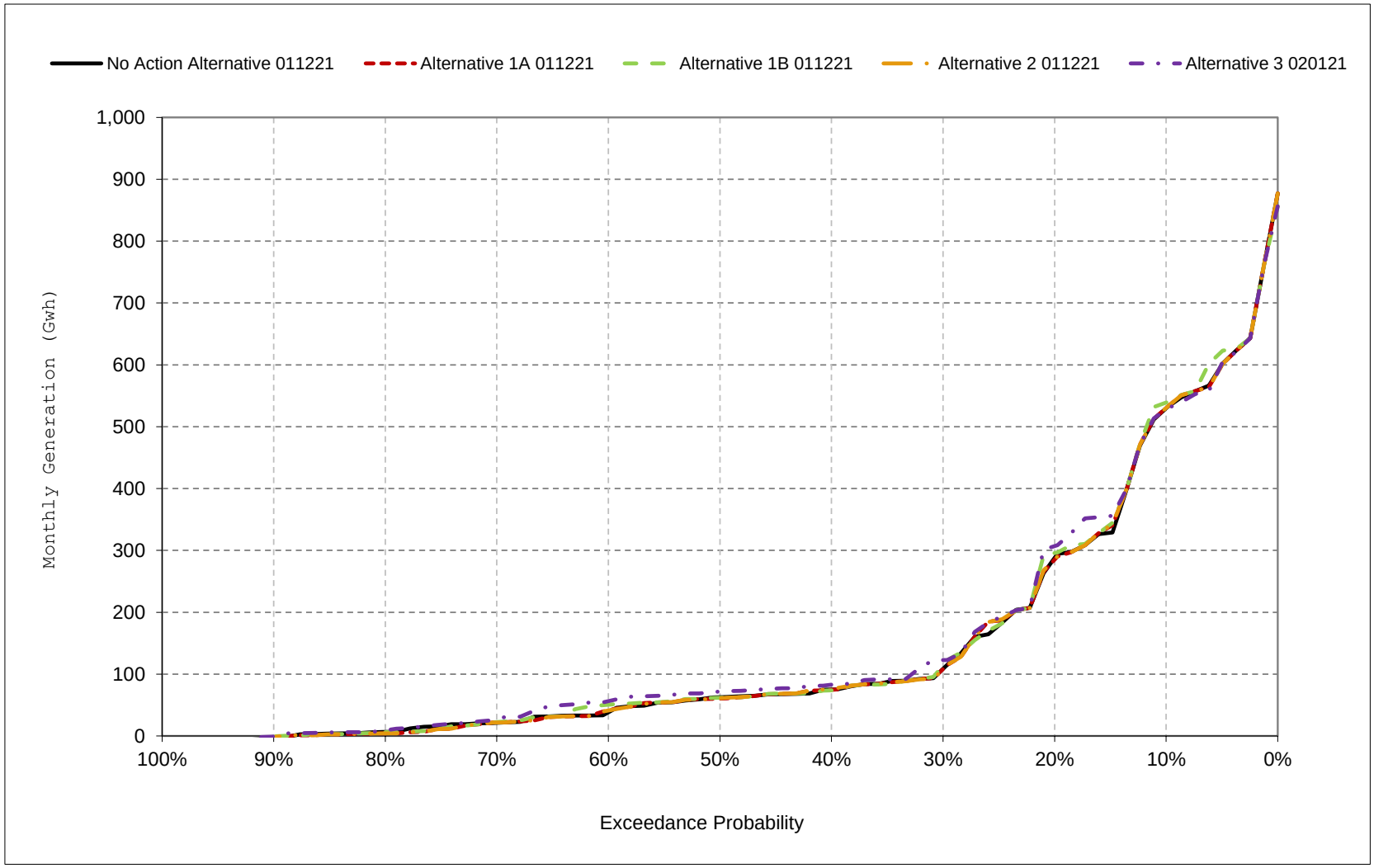
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 4-8. CVP Facilities Net Generation, November



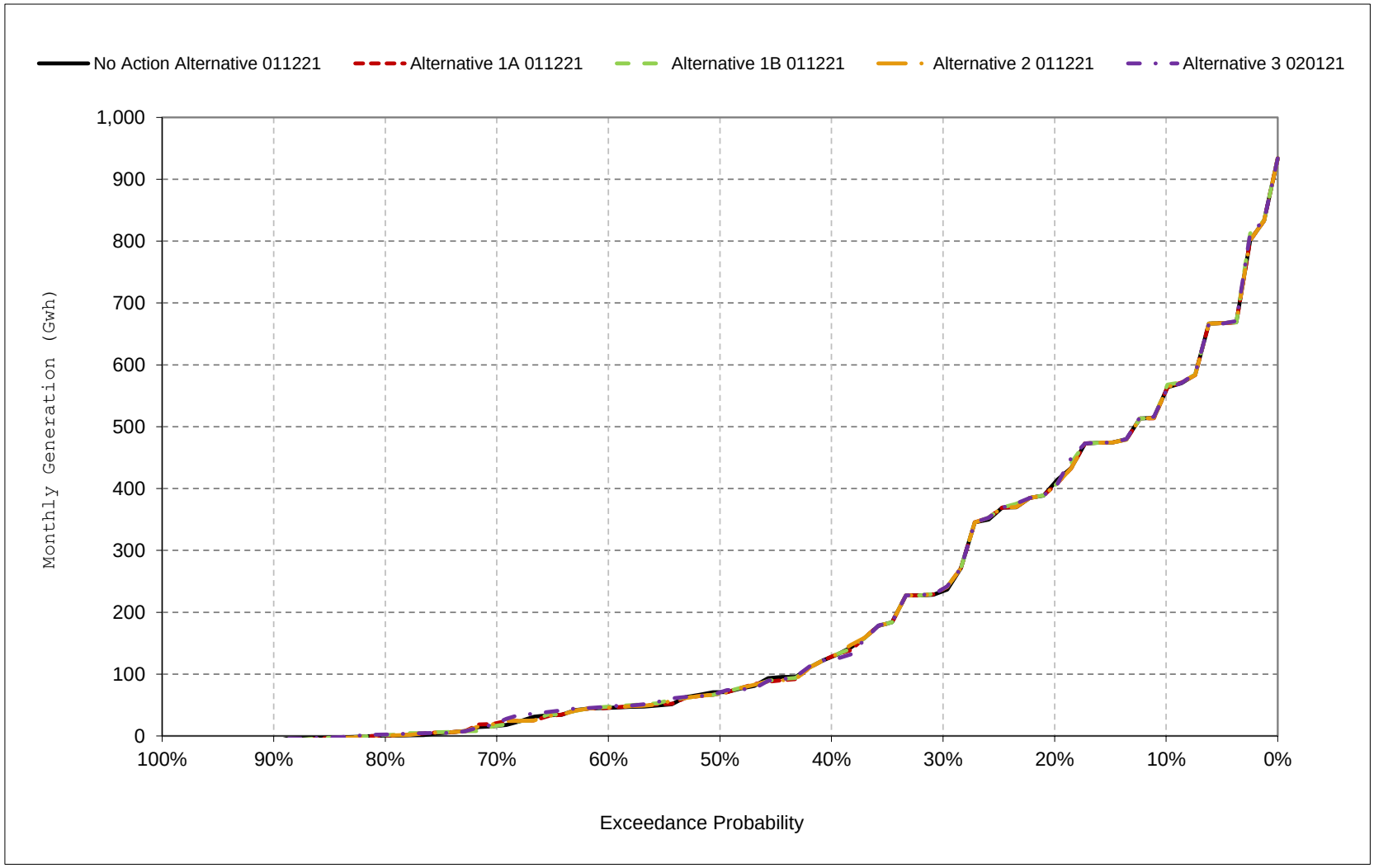
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 4-9. CVP Facilities Net Generation, December



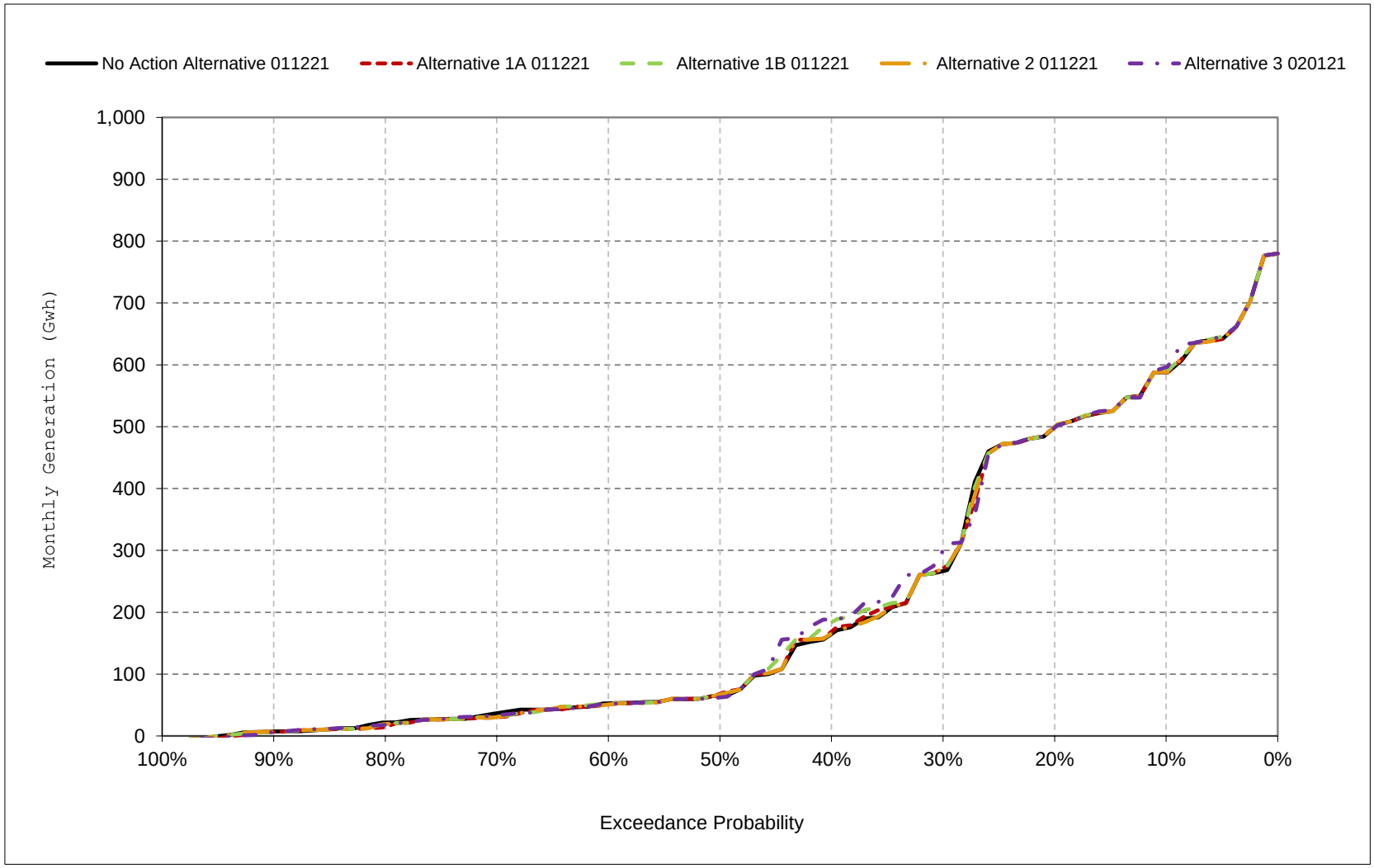
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 4-10. CVP Facilities Net Generation, January



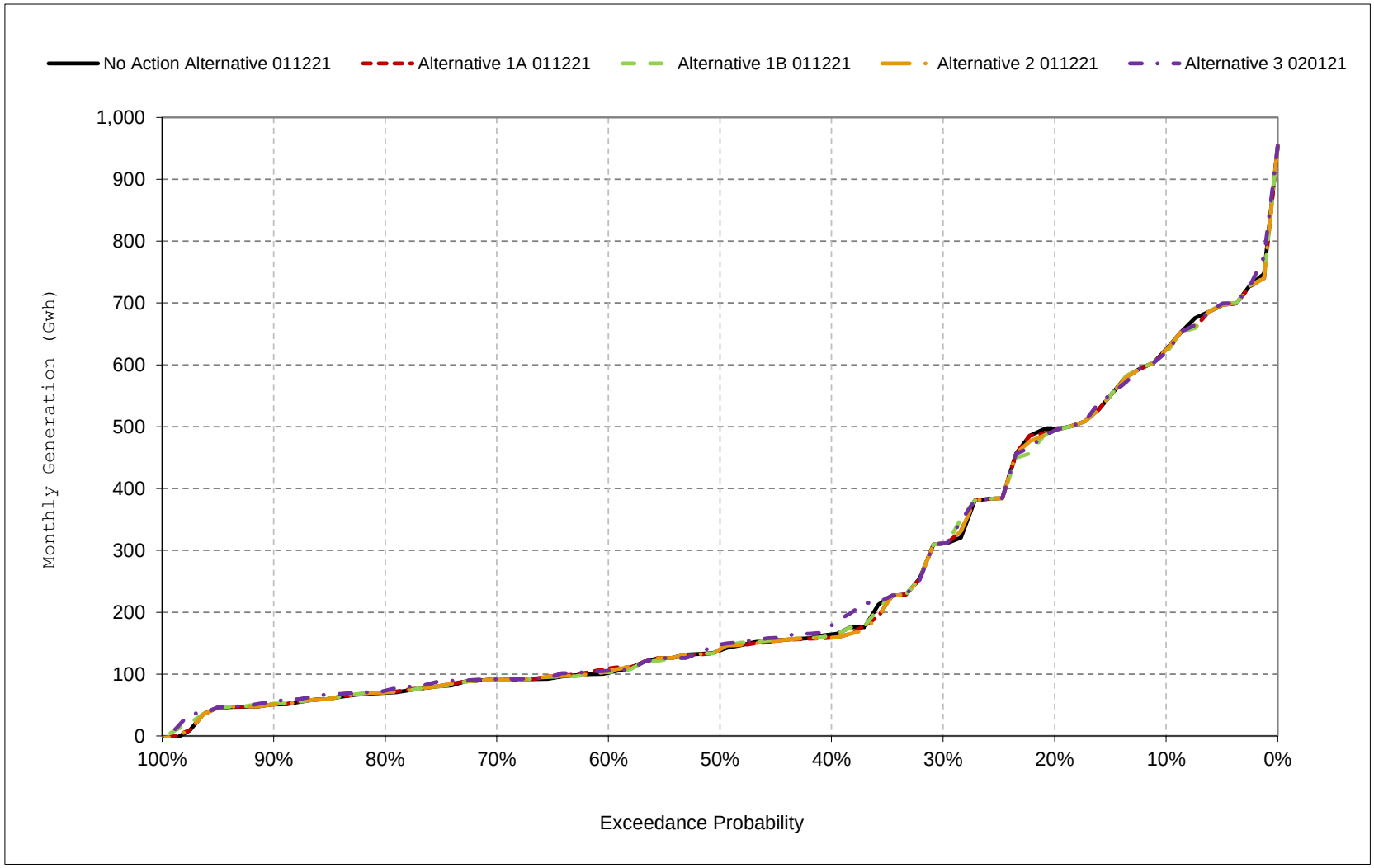
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 4-11. CVP Facilities Net Generation, February



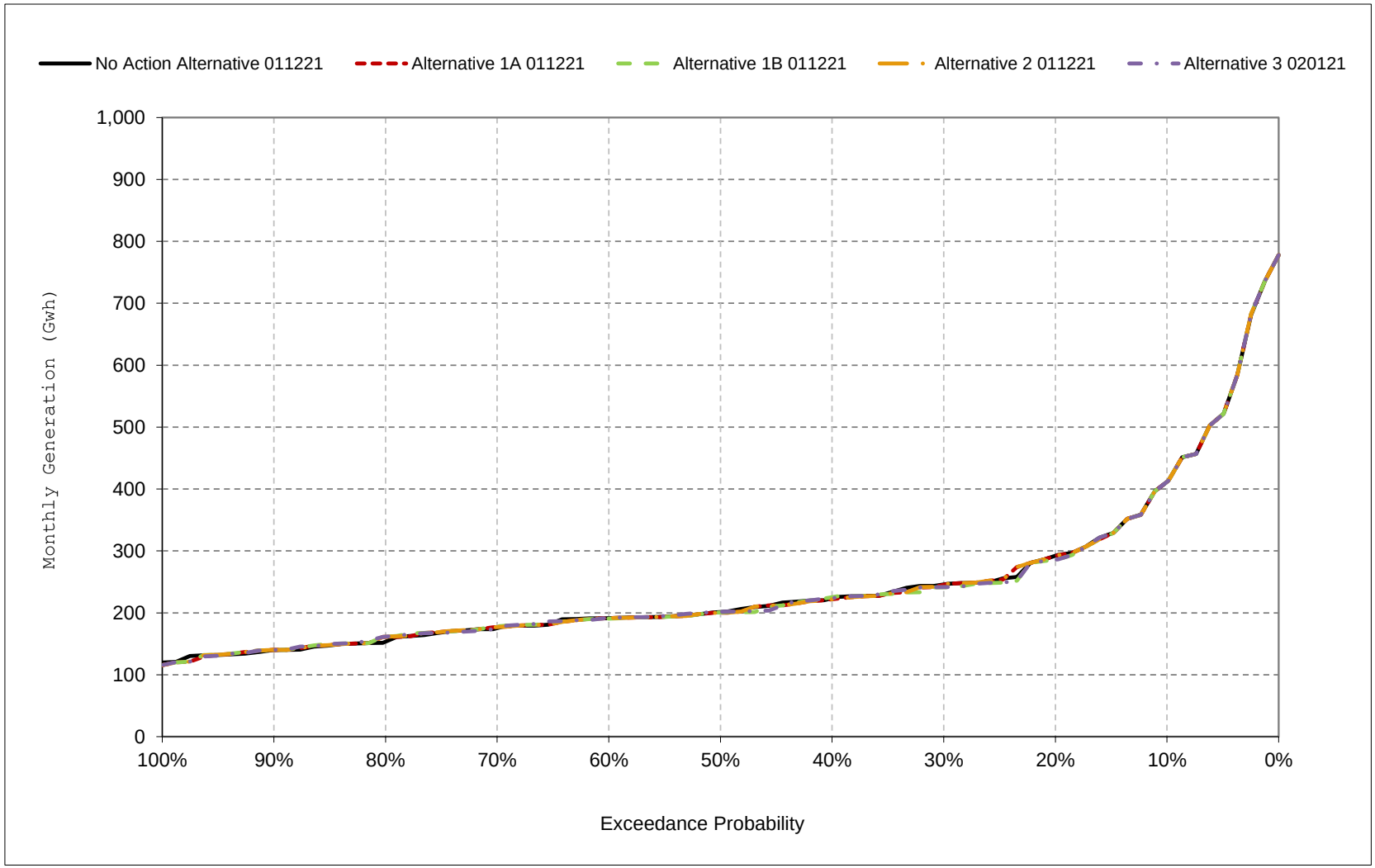
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 4-12. CVP Facilities Net Generation, March



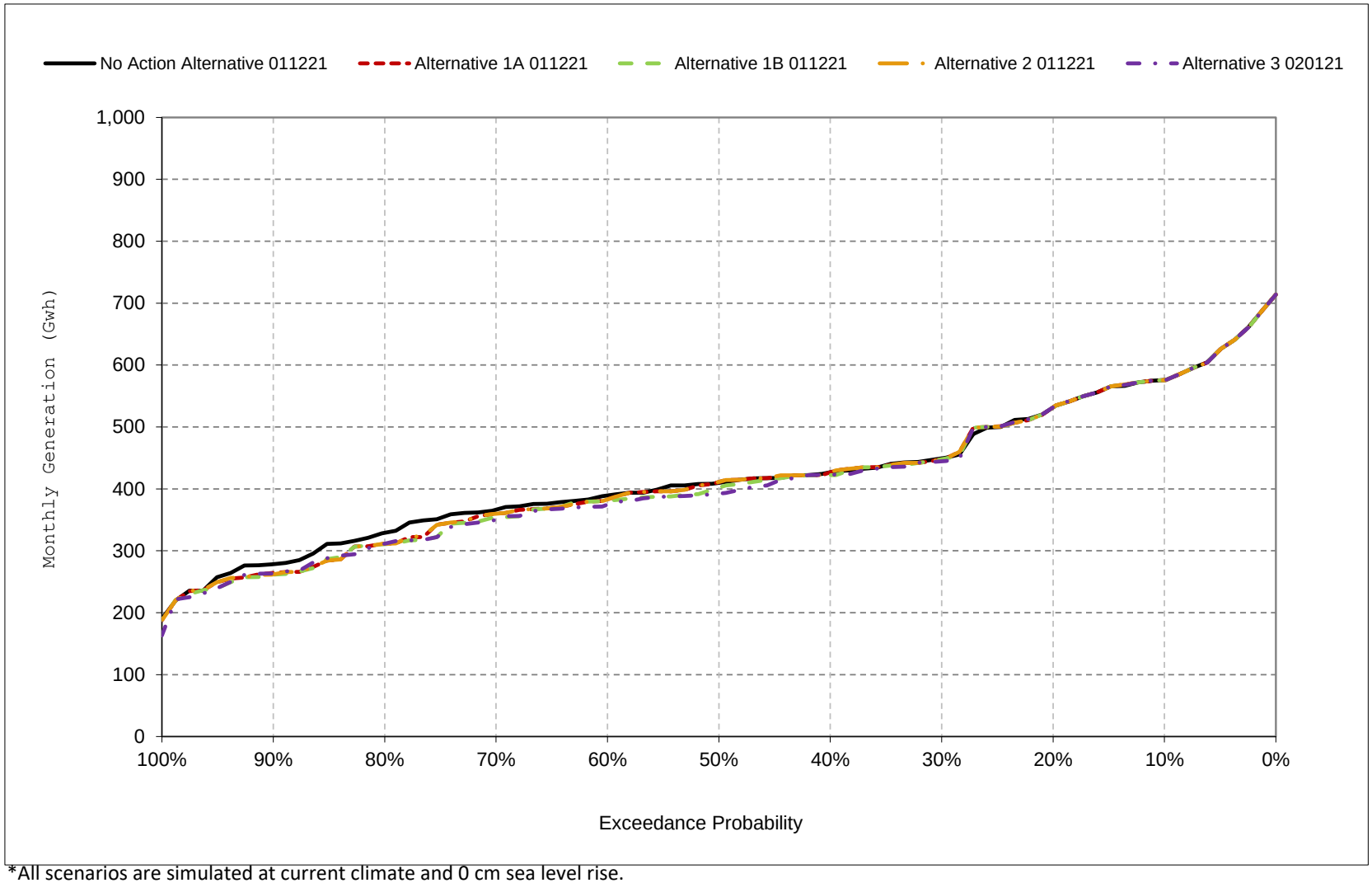
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 4-13. CVP Facilities Net Generation, April



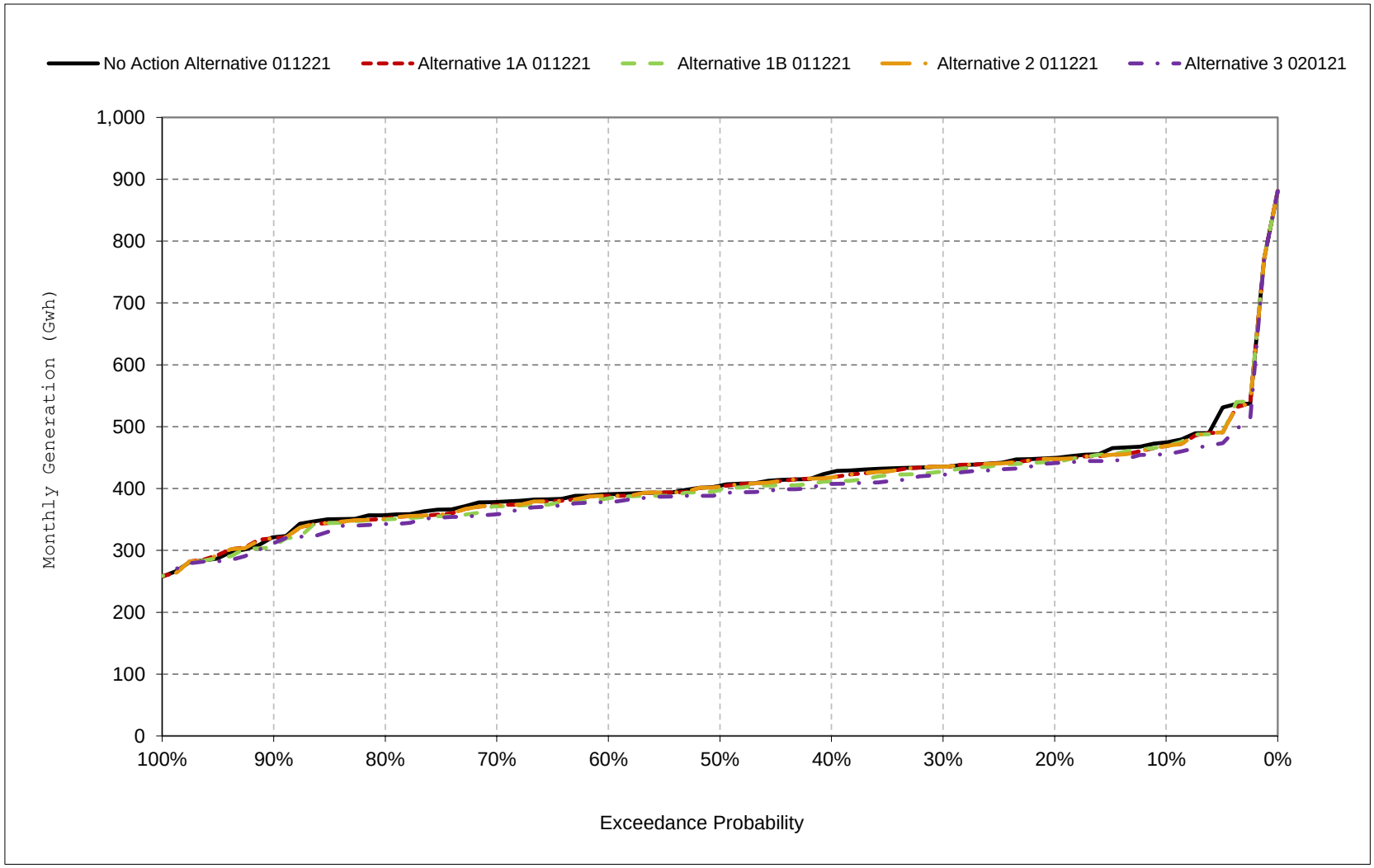
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 4-14. CVP Facilities Net Generation, May



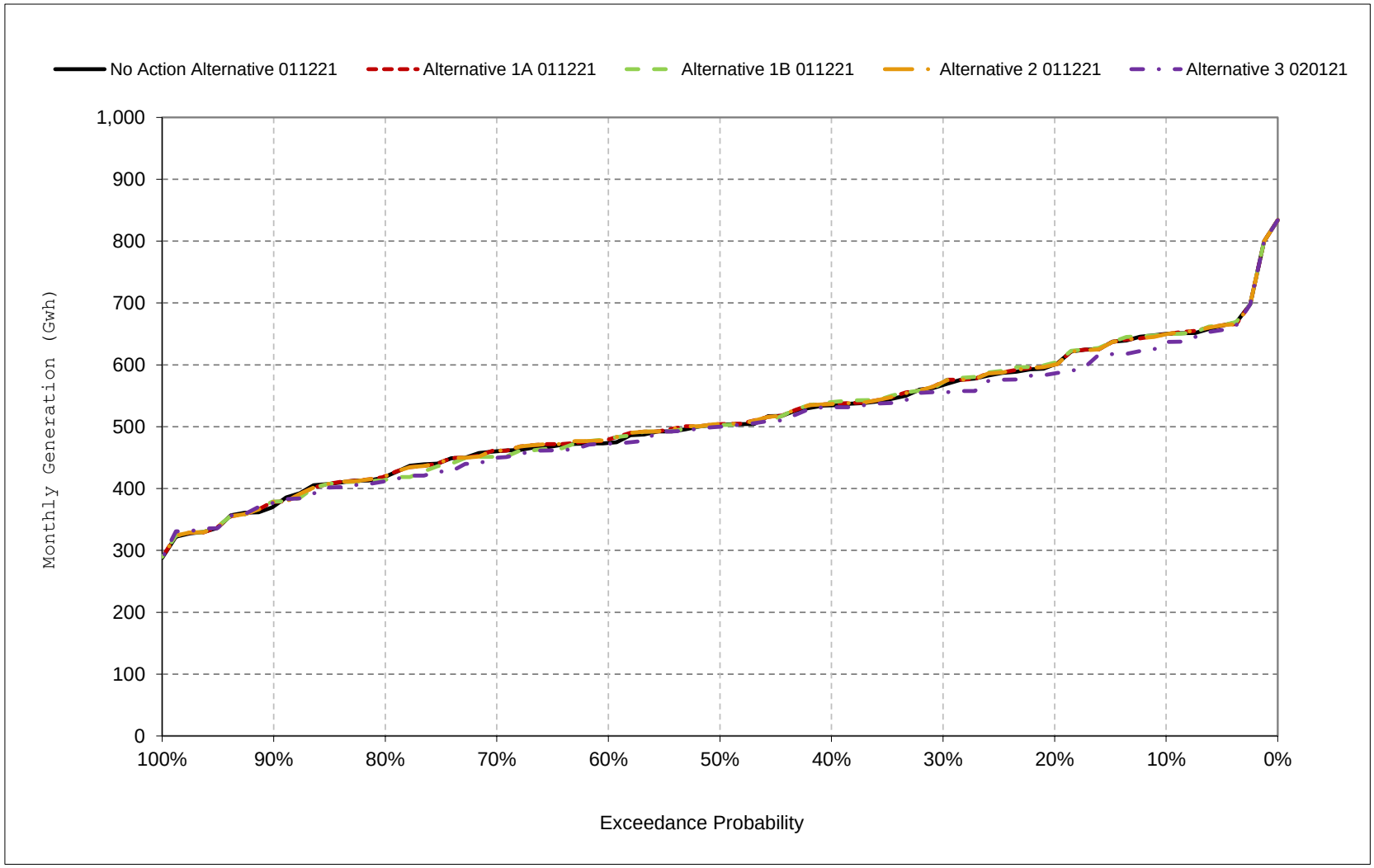
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 4-15. CVP Facilities Net Generation, June



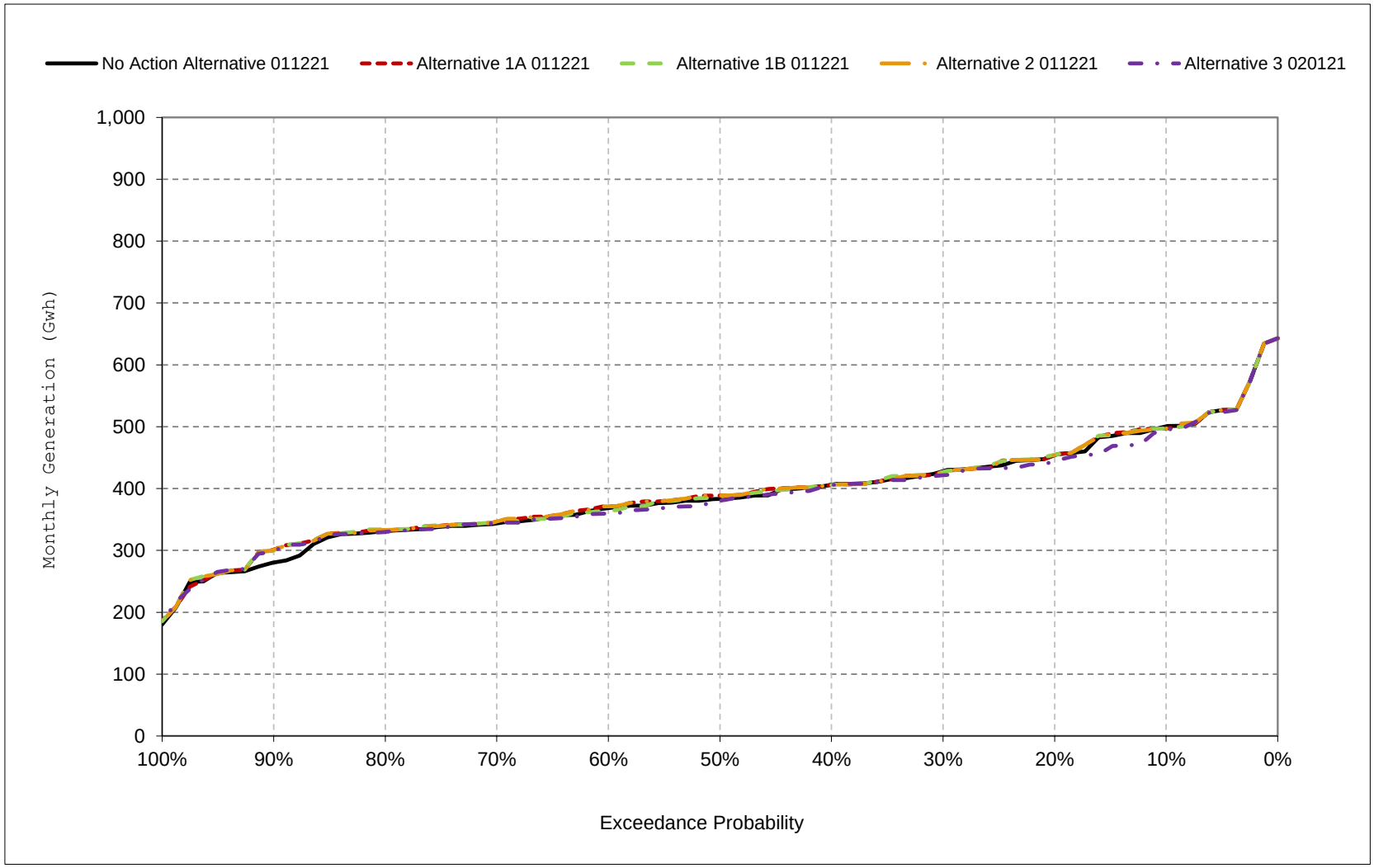
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 4-16. CVP Facilities Net Generation, July



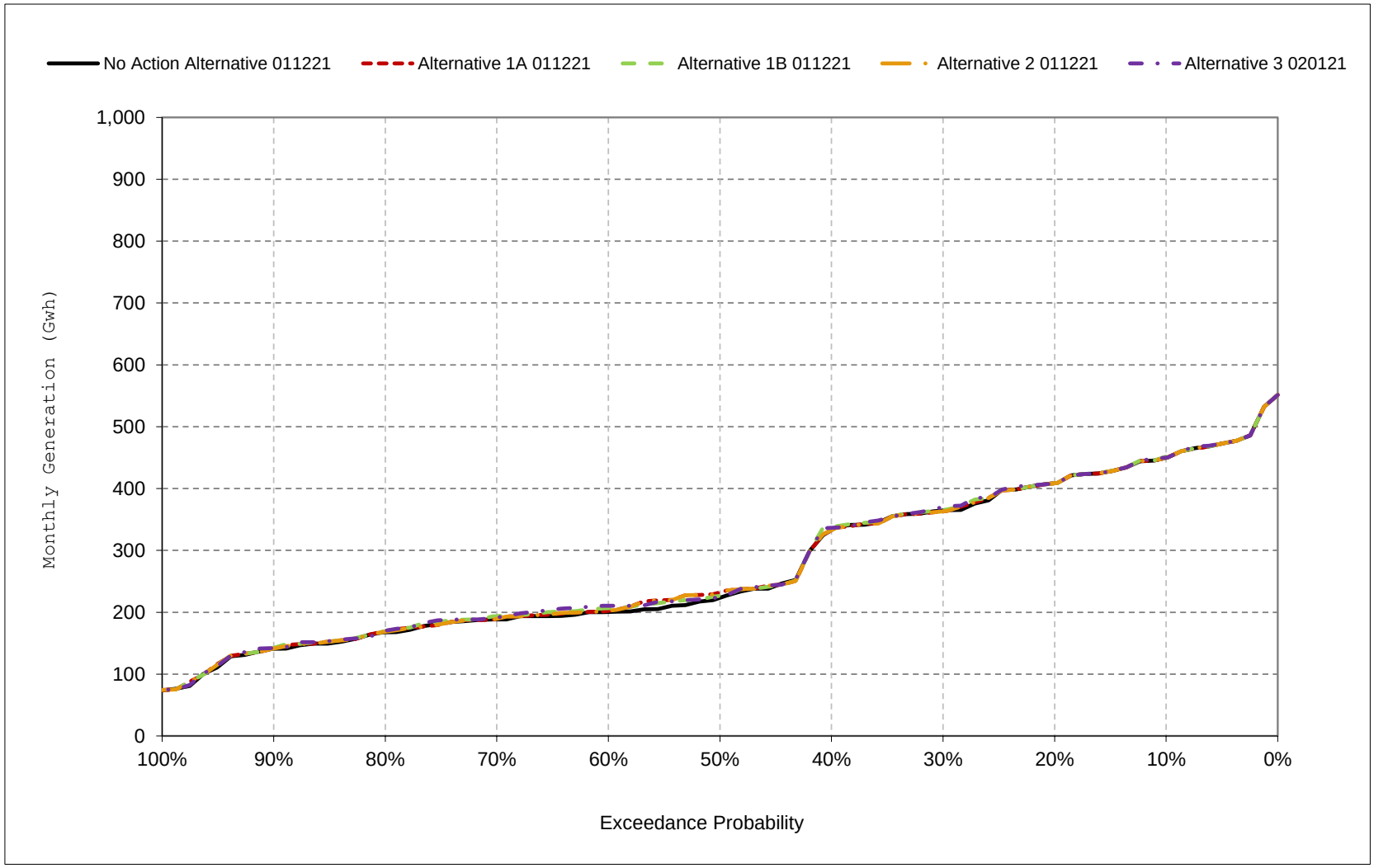
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 4-17. CVP Facilities Net Generation, August



*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 4-18. CVP Facilities Net Generation, September



*All scenarios are simulated at current climate and 0 cm sea level rise.

Table 5-1a. CVP Facilities Net Revenue, No Action Alternative 011221, Monthly Revenue (1000)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	16,331	11,521	30,560	34,042	32,562	31,702	20,203	26,329	22,815	36,773	31,223	26,900
20%	15,284	8,026	16,705	24,957	27,620	25,238	14,343	24,366	21,629	33,993	28,378	24,448
30%	11,757	6,557	6,450	14,336	14,747	15,654	12,039	20,538	20,912	32,101	26,750	21,786
40%	10,424	5,836	4,388	7,902	9,090	8,271	11,000	19,485	20,501	30,245	25,409	19,894
50%	9,377	5,291	3,687	4,415	3,573	6,948	9,886	18,773	19,438	28,473	23,977	13,480
60%	8,349	4,914	2,349	2,882	2,856	5,192	9,381	17,839	18,779	26,808	23,059	12,038
70%	7,372	4,231	1,437	1,102	1,994	4,569	8,556	16,782	18,195	26,044	21,472	11,419
80%	6,104	3,703	607	152	1,138	3,433	7,454	14,901	17,231	23,704	20,774	10,124
90%	5,198	2,827	-35	-423	352	2,427	6,813	12,715	15,501	21,003	17,612	8,511
Long Term												
Full Simulation Period[a]	10,083	6,528	8,568	11,606	11,672	12,446	12,051	19,332	19,791	28,997	24,426	16,570
Water Year Types[b,c]												
Wet (32%)	14,198	8,114	11,450	26,353	22,730	22,650	16,644	23,767	21,216	30,907	28,274	24,480
Above Normal (15%)	10,504	7,963	7,235	11,627	17,434	16,723	12,120	21,248	19,658	32,734	27,067	21,532
Below Normal (17%)	8,095	6,339	9,424	3,987	7,985	6,520	9,541	18,003	19,636	29,797	23,935	11,706
Dry (22%)	8,085	5,514	9,161	1,443	1,829	4,990	9,335	16,832	20,372	27,935	22,455	10,784
Critical (15%)	6,062	3,395	1,771	3,768	1,019	4,155	9,031	13,105	16,148	21,784	16,975	8,823

Table 5-1b. CVP Facilities Net Revenue, Alternative 1A 011221, Monthly Revenue (1000)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	16,336	11,494	30,580	34,043	32,569	31,660	20,202	26,328	22,512	36,764	31,065	26,900
20%	15,286	8,168	16,541	24,687	27,659	25,056	14,334	24,371	21,559	33,968	28,368	24,444
30%	11,499	6,964	6,421	14,535	15,003	15,650	12,009	20,471	20,924	32,404	26,707	21,705
40%	10,471	6,042	4,427	7,920	9,300	7,969	10,854	19,429	20,152	30,362	25,371	19,877
50%	9,603	5,209	3,620	4,322	3,754	6,987	9,843	18,816	19,404	28,525	24,273	13,998
60%	8,591	4,853	2,554	2,894	2,748	5,463	9,381	17,529	18,598	27,131	23,230	12,154
70%	7,856	4,050	1,487	1,372	1,615	4,547	8,648	16,454	17,860	26,096	21,686	11,584
80%	6,489	3,456	464	209	787	3,490	7,833	14,169	16,942	23,764	20,829	10,265
90%	5,210	2,913	-8	-573	300	2,423	6,815	12,097	15,327	21,411	18,808	8,638
Long Term												
Full Simulation Period[a]	10,240	6,524	8,556	11,587	11,645	12,427	12,043	19,108	19,634	29,067	24,612	16,679
Water Year Types[b,c]												
Wet (32%)	14,210	8,107	11,427	26,346	22,767	22,587	16,649	23,745	21,111	31,000	28,314	24,481
Above Normal (15%)	10,546	7,986	7,229	11,620	17,571	16,853	12,176	21,160	19,551	32,677	26,990	21,540
Below Normal (17%)	8,086	6,200	9,170	3,959	7,897	6,547	9,540	17,808	19,519	29,886	23,900	11,767
Dry (22%)	8,176	5,541	9,243	1,390	1,740	4,849	9,307	16,610	19,948	28,021	23,017	11,056
Critical (15%)	6,937	3,487	1,915	3,770	847	4,211	8,953	12,270	16,180	21,880	17,433	9,080

Table 5-1c. CVP Facilities Net Revenue, Alternative 1A 011221 minus No Action Alternative 011221, Monthly Revenue (1000)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	6	-27	21	1	7	-43	-1	-1	-302	-9	-158	0
20%	2	142	-165	-270	39	-183	-9	4	-71	-25	-10	-4
30%	-258	407	-29	198	257	-5	-29	-67	12	303	-43	-81
40%	47	205	40	18	210	-301	-145	-56	-348	117	-38	-17
50%	226	-82	-67	-93	180	39	-42	44	-34	52	296	518
60%	242	-61	205	12	-108	271	0	-311	-181	323	171	116
70%	484	-181	50	270	-379	-22	92	-328	-335	52	214	165
80%	385	-247	-143	57	-350	57	379	-732	-289	60	55	141
90%	11	85	27	-149	-52	-4	2	-618	-174	408	1,196	127
Long Term												
Full Simulation Period[a]	157	-4	-12	-19	-28	-19	-8	-224	-157	69	186	109
Water Year Types[b,c]												
Wet (32%)	11	-7	-23	-7	37	-63	5	-22	-105	93	40	1
Above Normal (15%)	42	23	-6	-7	137	130	55	-88	-107	-57	-77	8
Below Normal (17%)	-9	-140	-253	-28	-88	28	-1	-196	-117	90	-36	61
Dry (22%)	91	27	82	-53	-89	-141	-28	-222	-424	86	562	272
Critical (15%)	876	92	143	3	-172	56	-78	-835	32	96	458	256

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 5-2a. CVP Facilities Net Revenue, No Action Alternative 011221, Monthly Revenue (1000)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	16,331	11,521	30,560	34,042	32,562	31,702	20,203	26,329	22,815	36,773	31,223	26,900
20%	15,284	8,026	16,705	24,957	27,620	25,238	14,343	24,366	21,629	33,993	28,378	24,448
30%	11,757	6,557	6,450	14,336	14,747	15,654	12,039	20,538	20,912	32,101	26,750	21,786
40%	10,424	5,836	4,388	7,902	9,090	8,271	11,000	19,485	20,501	30,245	25,409	19,894
50%	9,377	5,291	3,687	4,415	3,573	6,948	9,886	18,773	19,438	28,473	23,977	13,480
60%	8,349	4,914	2,349	2,882	2,856	5,192	9,381	17,839	18,779	26,808	23,059	12,038
70%	7,372	4,231	1,437	1,102	1,994	4,569	8,556	16,782	18,195	26,044	21,472	11,419
80%	6,104	3,703	607	152	1,138	3,433	7,454	14,901	17,231	23,704	20,774	10,124
90%	5,198	2,827	-35	-423	352	2,427	6,813	12,715	15,501	21,003	17,612	8,511
Long Term												
Full Simulation Period[a]	10,083	6,528	8,568	11,606	11,672	12,446	12,051	19,332	19,791	28,997	24,426	16,570
Water Year Types[b,c]												
Wet (32%)	14,198	8,114	11,450	26,353	22,730	22,650	16,644	23,767	21,216	30,907	28,274	24,480
Above Normal (15%)	10,504	7,963	7,235	11,627	17,434	16,723	12,120	21,248	19,658	32,734	27,067	21,532
Below Normal (17%)	8,095	6,339	9,424	3,987	7,985	6,520	9,541	18,003	19,636	29,797	23,935	11,706
Dry (22%)	8,085	5,514	9,161	1,443	1,829	4,990	9,335	16,832	20,372	27,935	22,455	10,784
Critical (15%)	6,062	3,395	1,771	3,768	1,019	4,155	9,031	13,105	16,148	21,784	16,975	8,823

Table 5-2b. CVP Facilities Net Revenue, Alternative 1B 011221, Monthly Revenue (1000)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	16,157	11,494	31,187	34,265	32,659	31,431	20,202	26,328	22,512	36,740	31,064	27,012
20%	15,313	8,504	17,159	24,687	27,681	25,031	13,956	24,366	21,354	34,149	28,412	24,444
30%	11,654	7,092	6,746	14,564	15,001	15,649	11,855	20,467	20,557	32,358	26,675	21,825
40%	10,546	5,854	4,314	7,926	10,147	8,210	11,040	19,291	19,782	30,531	25,368	20,257
50%	9,436	5,206	3,647	4,354	3,687	7,049	9,852	18,335	19,096	28,449	24,176	13,614
60%	8,612	4,657	3,014	3,013	2,853	5,141	9,355	17,429	18,439	27,209	22,816	12,399
70%	7,814	4,057	1,531	1,131	1,680	4,549	8,684	16,136	17,791	25,538	21,635	11,804
80%	6,536	3,361	601	257	1,062	3,495	7,852	14,177	16,894	23,431	20,935	10,285
90%	5,302	2,914	120	-513	313	2,511	6,815	11,903	14,789	21,431	18,820	8,673
Long Term												
Full Simulation Period[a]	10,240	6,571	8,689	11,620	11,756	12,438	12,014	18,990	19,451	29,008	24,590	16,718
Water Year Types[b,c]												
Wet (32%)	14,204	7,998	11,341	26,407	22,767	22,592	16,661	23,746	21,114	31,001	28,313	24,485
Above Normal (15%)	10,664	8,019	7,553	11,722	17,762	16,764	12,245	21,133	18,597	32,229	26,977	21,815
Below Normal (17%)	8,209	6,513	9,335	3,928	8,163	6,649	9,562	17,420	19,247	29,850	23,910	11,840
Dry (22%)	8,052	5,614	9,621	1,414	1,833	4,918	9,105	16,430	20,026	28,071	22,850	10,950
Critical (15%)	6,881	3,535	1,925	3,759	967	4,147	8,939	12,211	16,076	21,894	17,539	9,133

Table 5-2c. CVP Facilities Net Revenue, Alternative 1B 011221 minus No Action Alternative 011221, Monthly Revenue (1000)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-174	-28	627	224	97	-271	-1	-1	-303	-33	-159	112
20%	29	478	453	-270	62	-208	-386	0	-276	156	33	-4
30%	-103	534	296	228	255	-5	-184	-71	-355	257	-76	39
40%	122	18	-74	24	1,057	-61	40	-193	-719	286	-41	363
50%	59	-85	-41	-60	114	101	-33	-438	-342	-24	199	134
60%	262	-257	665	131	-3	-51	-26	-410	-340	401	-243	361
70%	442	-173	94	29	-315	-19	128	-645	-404	-506	163	386
80%	432	-342	-6	105	-75	62	398	-724	-337	-273	161	161
90%	103	86	155	-89	-39	84	2	-812	-712	428	1,208	162
Long Term												
Full Simulation Period[a]	157	43	120	14	83	-7	-37	-342	-341	11	164	148
Water Year Types[b,c]												
Wet (32%)	5	-117	-109	54	37	-58	16	-21	-102	94	39	5
Above Normal (15%)	160	55	318	95	328	41	125	-115	-1,061	-506	-90	284
Below Normal (17%)	114	173	-89	-58	178	129	21	-583	-389	53	-25	133
Dry (22%)	-33	100	459	-29	4	-72	-230	-402	-346	136	395	166
Critical (15%)	819	140	153	-9	-52	-8	-92	-893	-72	110	564	309

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 5-3a. CVP Facilities Net Revenue, No Action Alternative 011221, Monthly Revenue (1000)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	16,331	11,521	30,560	34,042	32,562	31,702	20,203	26,329	22,815	36,773	31,223	26,900
20%	15,284	8,026	16,705	24,957	27,620	25,238	14,343	24,366	21,629	33,993	28,378	24,448
30%	11,757	6,557	6,450	14,336	14,747	15,654	12,039	20,538	20,912	32,101	26,750	21,786
40%	10,424	5,836	4,388	7,902	9,090	8,271	11,000	19,485	20,501	30,245	25,409	19,894
50%	9,377	5,291	3,687	4,415	3,573	6,948	9,886	18,773	19,438	28,473	23,977	13,480
60%	8,349	4,914	2,349	2,882	2,856	5,192	9,381	17,839	18,779	26,808	23,059	12,038
70%	7,372	4,231	1,437	1,102	1,994	4,569	8,556	16,782	18,195	26,044	21,472	11,419
80%	6,104	3,703	607	152	1,138	3,433	7,454	14,901	17,231	23,704	20,774	10,124
90%	5,198	2,827	-35	-423	352	2,427	6,813	12,715	15,501	21,003	17,612	8,511
Long Term												
Full Simulation Period[a]	10,083	6,528	8,568	11,606	11,672	12,446	12,051	19,332	19,791	28,997	24,426	16,570
Water Year Types[b,c]												
Wet (32%)	14,198	8,114	11,450	26,353	22,730	22,650	16,644	23,767	21,216	30,907	28,274	24,480
Above Normal (15%)	10,504	7,963	7,235	11,627	17,434	16,723	12,120	21,248	19,658	32,734	27,067	21,532
Below Normal (17%)	8,095	6,339	9,424	3,987	7,985	6,520	9,541	18,003	19,636	29,797	23,935	11,706
Dry (22%)	8,085	5,514	9,161	1,443	1,829	4,990	9,335	16,832	20,372	27,935	22,455	10,784
Critical (15%)	6,062	3,395	1,771	3,768	1,019	4,155	9,031	13,105	16,148	21,784	16,975	8,823

Table 5-3b. CVP Facilities Net Revenue, Alternative 2 011221, Monthly Revenue (1000)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	16,336	11,494	30,580	34,043	32,569	31,659	20,202	26,328	22,513	36,759	31,063	26,900
20%	15,354	8,211	16,566	24,686	27,659	25,030	14,334	24,372	21,560	33,968	28,368	24,444
30%	11,557	6,602	6,423	14,535	15,002	15,648	12,009	20,471	20,924	32,365	26,706	21,705
40%	10,475	6,031	4,511	7,908	9,123	7,970	10,857	19,442	20,152	30,362	25,375	19,888
50%	9,531	5,219	3,629	4,322	3,679	7,002	9,837	18,816	19,404	28,529	24,278	13,998
60%	8,591	4,865	2,536	2,896	2,747	5,324	9,381	17,528	18,597	27,163	23,229	12,150
70%	7,873	4,044	1,485	1,338	1,636	4,547	8,654	16,453	17,860	26,105	21,699	11,598
80%	6,485	3,398	472	221	1,027	3,494	7,844	14,170	16,938	23,770	20,843	10,217
90%	5,213	2,927	48	-573	339	2,423	6,814	12,007	15,336	21,409	18,777	8,627
Long Term												
Full Simulation Period[a]	10,233	6,520	8,563	11,594	11,651	12,409	12,047	19,109	19,632	29,067	24,623	16,677
Water Year Types[b,c]												
Wet (32%)	14,209	8,106	11,427	26,345	22,767	22,591	16,650	23,746	21,112	31,002	28,315	24,481
Above Normal (15%)	10,547	7,987	7,228	11,623	17,603	16,767	12,179	21,161	19,549	32,662	26,994	21,546
Below Normal (17%)	8,146	6,199	9,186	3,964	7,827	6,548	9,556	17,811	19,517	29,894	23,903	11,770
Dry (22%)	8,174	5,486	9,249	1,395	1,725	4,858	9,308	16,609	19,947	28,018	23,019	11,054
Critical (15%)	6,830	3,541	1,938	3,805	965	4,153	8,954	12,272	16,167	21,886	17,497	9,063

Table 5-3c. CVP Facilities Net Revenue, Alternative 2 011221 minus No Action Alternative 011221, Monthly Revenue (1000)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	6	-27	20	2	7	-44	-1	-1	-302	-14	-160	0
20%	70	185	-139	-272	40	-208	-8	6	-70	-25	-11	-4
30%	-200	45	-27	198	255	-6	-29	-67	12	264	-44	-81
40%	51	194	123	7	33	-301	-142	-43	-349	117	-34	-6
50%	154	-72	-58	-92	106	54	-49	43	-34	56	301	518
60%	242	-49	187	14	-109	132	0	-311	-182	355	170	112
70%	501	-187	49	236	-358	-21	98	-328	-335	61	226	179
80%	382	-305	-135	69	-111	62	390	-731	-293	66	69	93
90%	14	100	83	-149	-12	-4	2	-708	-166	406	1,166	116
Long Term												
Full Simulation Period[a]	150	-8	-5	-12	-21	-37	-5	-223	-160	69	197	107
Water Year Types[b,c]												
Wet (32%)	11	-8	-23	-8	37	-59	6	-21	-104	96	41	1
Above Normal (15%)	43	24	-7	-4	169	43	59	-88	-109	-72	-73	14
Below Normal (17%)	51	-140	-238	-23	-158	28	15	-192	-119	97	-32	63
Dry (22%)	89	-29	88	-48	-104	-132	-28	-223	-425	82	565	269
Critical (15%)	768	146	167	38	-54	-1	-78	-833	19	102	522	239

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 5-4a. CVP Facilities Net Revenue, No Action Alternative 011221, Monthly Revenue (1000)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	16,331	11,521	30,560	34,042	32,562	31,702	20,203	26,329	22,815	36,773	31,223	26,900
20%	15,284	8,026	16,705	24,957	27,620	25,238	14,343	24,366	21,629	33,993	28,378	24,448
30%	11,757	6,557	6,450	14,336	14,747	15,654	12,039	20,538	20,912	32,101	26,750	21,786
40%	10,424	5,836	4,388	7,902	9,090	8,271	11,000	19,485	20,501	30,245	25,409	19,894
50%	9,377	5,291	3,687	4,415	3,573	6,948	9,886	18,773	19,438	28,473	23,977	13,480
60%	8,349	4,914	2,349	2,882	2,856	5,192	9,381	17,839	18,779	26,808	23,059	12,038
70%	7,372	4,231	1,437	1,102	1,994	4,569	8,556	16,782	18,195	26,044	21,472	11,419
80%	6,104	3,703	607	152	1,138	3,433	7,454	14,901	17,231	23,704	20,774	10,124
90%	5,198	2,827	-35	-423	352	2,427	6,813	12,715	15,501	21,003	17,612	8,511
Long Term												
Full Simulation Period[a]	10,083	6,528	8,568	11,606	11,672	12,446	12,051	19,332	19,791	28,997	24,426	16,570
Water Year Types[b,c]												
Wet (32%)	14,198	8,114	11,450	26,353	22,730	22,650	16,644	23,767	21,216	30,907	28,274	24,480
Above Normal (15%)	10,504	7,963	7,235	11,627	17,434	16,723	12,120	21,248	19,658	32,734	27,067	21,532
Below Normal (17%)	8,095	6,339	9,424	3,987	7,985	6,520	9,541	18,003	19,636	29,797	23,935	11,706
Dry (22%)	8,085	5,514	9,161	1,443	1,829	4,990	9,335	16,832	20,372	27,935	22,455	10,784
Critical (15%)	6,062	3,395	1,771	3,768	1,019	4,155	9,031	13,105	16,148	21,784	16,975	8,823

Table 5-4b. CVP Facilities Net Revenue, Alternative 3 020121, Monthly Revenue (1000)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	16,341	11,494	30,459	33,992	33,021	31,442	20,201	26,328	21,952	35,972	30,940	26,910
20%	15,489	8,550	17,843	24,626	27,590	25,031	13,956	24,375	21,249	33,159	27,720	24,443
30%	11,864	7,088	7,267	14,565	16,590	15,651	11,860	20,359	20,334	31,447	26,363	22,135
40%	10,571	5,994	4,946	7,627	10,395	8,958	10,909	19,327	19,589	30,073	25,357	20,138
50%	9,546	5,378	4,236	4,442	3,432	7,389	9,908	17,989	18,783	28,286	23,805	13,544
60%	8,873	4,718	3,438	3,031	2,816	5,342	9,362	17,114	18,214	26,731	22,537	12,647
70%	7,848	4,370	1,759	1,394	1,806	4,568	8,563	15,965	17,233	25,455	21,516	11,632
80%	6,561	3,655	737	313	952	3,641	7,857	14,261	16,438	23,309	20,617	10,319
90%	5,336	3,095	143	-457	315	2,698	6,822	12,107	15,051	21,342	18,714	8,627
Long Term												
Full Simulation Period[a]	10,296	6,696	8,993	11,671	11,863	12,634	12,028	18,902	19,110	28,569	24,282	16,762
Water Year Types[b,c]												
Wet (32%)	14,217	8,022	11,343	26,430	22,780	22,785	16,654	23,748	21,113	30,956	28,316	24,477
Above Normal (15%)	10,641	8,396	8,046	11,731	18,363	16,946	12,280	21,138	18,183	30,717	25,478	22,002
Below Normal (17%)	8,423	6,783	10,106	3,960	8,264	7,075	9,631	17,359	18,236	29,214	23,872	12,008
Dry (22%)	8,068	5,675	10,054	1,554	1,929	5,108	9,151	16,086	19,492	27,614	22,582	10,914
Critical (15%)	6,981	3,556	1,961	3,808	812	4,102	8,862	12,196	16,144	21,926	17,371	9,127

Table 5-4c. CVP Facilities Net Revenue, Alternative 3 020121 minus No Action Alternative 011221, Monthly Revenue (1000)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	10	-27	-101	-50	459	-261	-1	-1	-862	-801	-284	10
20%	206	524	1,138	-332	-29	-207	-386	9	-380	-833	-658	-5
30%	106	530	817	228	1,843	-4	-179	-179	-578	-654	-387	350
40%	148	157	559	-275	1,305	687	-91	-157	-912	-172	-52	244
50%	168	87	549	27	-141	441	23	-784	-655	-187	-172	64
60%	524	-195	1,089	149	-40	149	-20	-725	-564	-77	-522	609
70%	476	139	322	292	-188	0	7	-817	-962	-589	44	214
80%	457	-48	130	162	-185	208	403	-640	-793	-395	-157	195
90%	137	267	178	-33	-37	271	9	-609	-451	339	1,102	116
Long Term												
Full Simulation Period[a]	213	168	425	65	191	189	-24	-429	-681	-429	-144	192
Water Year Types[b,c]												
Wet (32%)	19	-92	-106	77	50	135	9	-19	-103	49	42	-3
Above Normal (15%)	137	433	811	104	929	223	160	-111	-1,476	-2,017	-1,589	471
Below Normal (17%)	328	443	682	-27	279	555	90	-645	-1,399	-583	-63	302
Dry (22%)	-17	161	893	111	99	118	-184	-746	-880	-321	128	130
Critical (15%)	919	161	189	41	-207	-52	-169	-909	-3	142	396	303

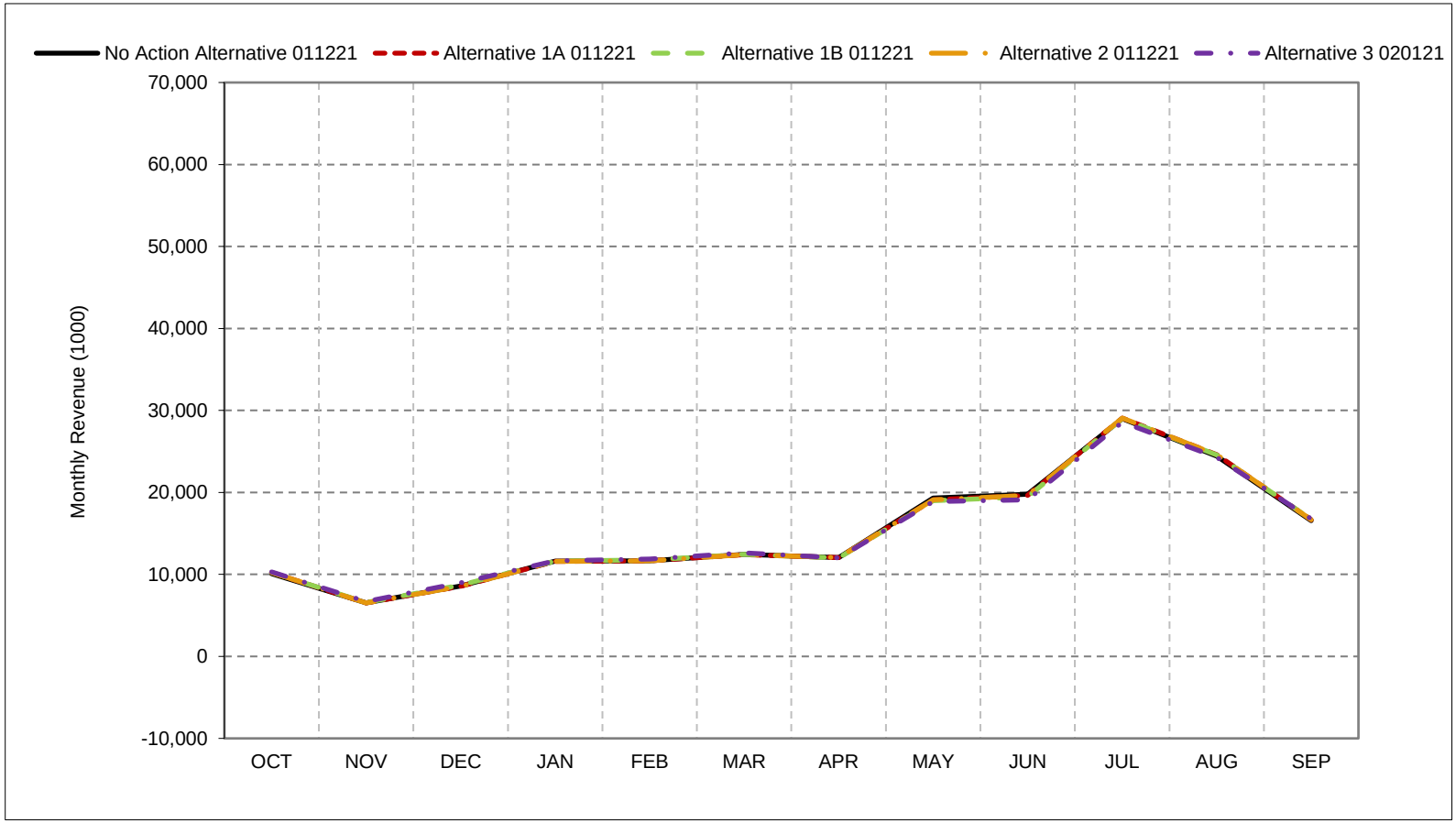
a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 5-1. CVP Facilities Net Revenue, Long-Term Average Revenue

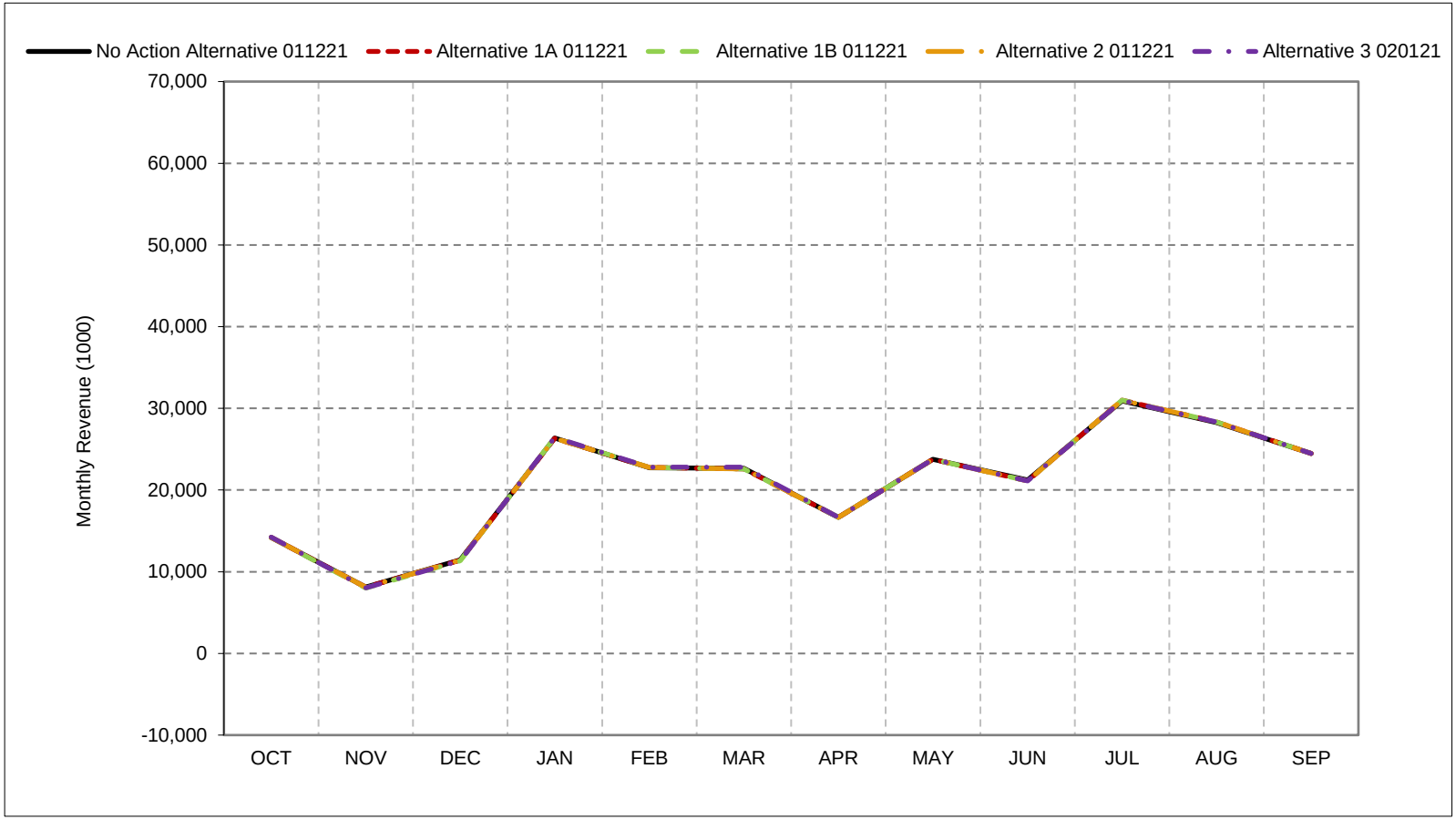


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 5-2. CVP Facilities Net Revenue, Wet Year Average Revenue

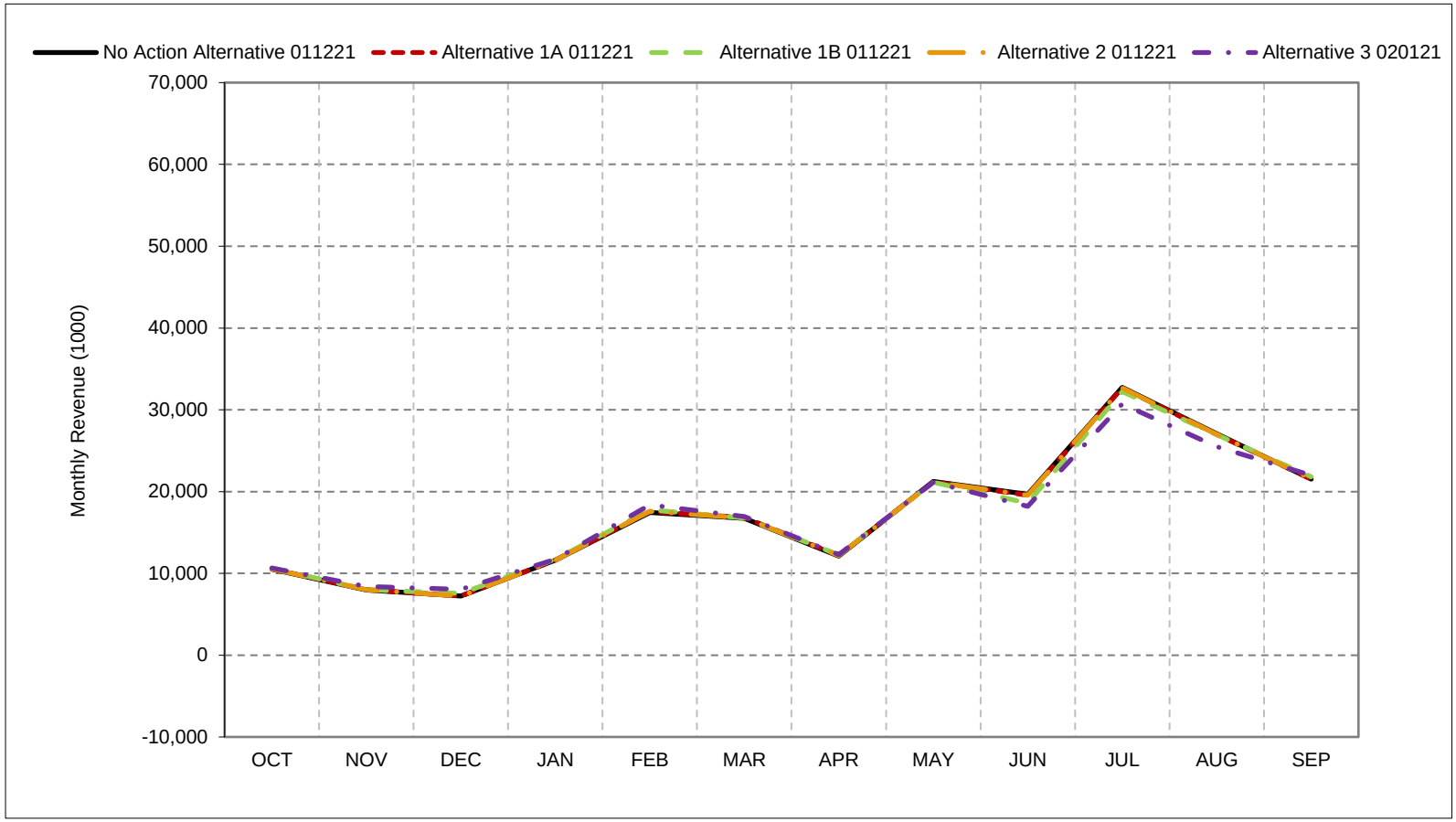


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 5-3. CVP Facilities Net Revenue, Above Normal Year Average Revenue

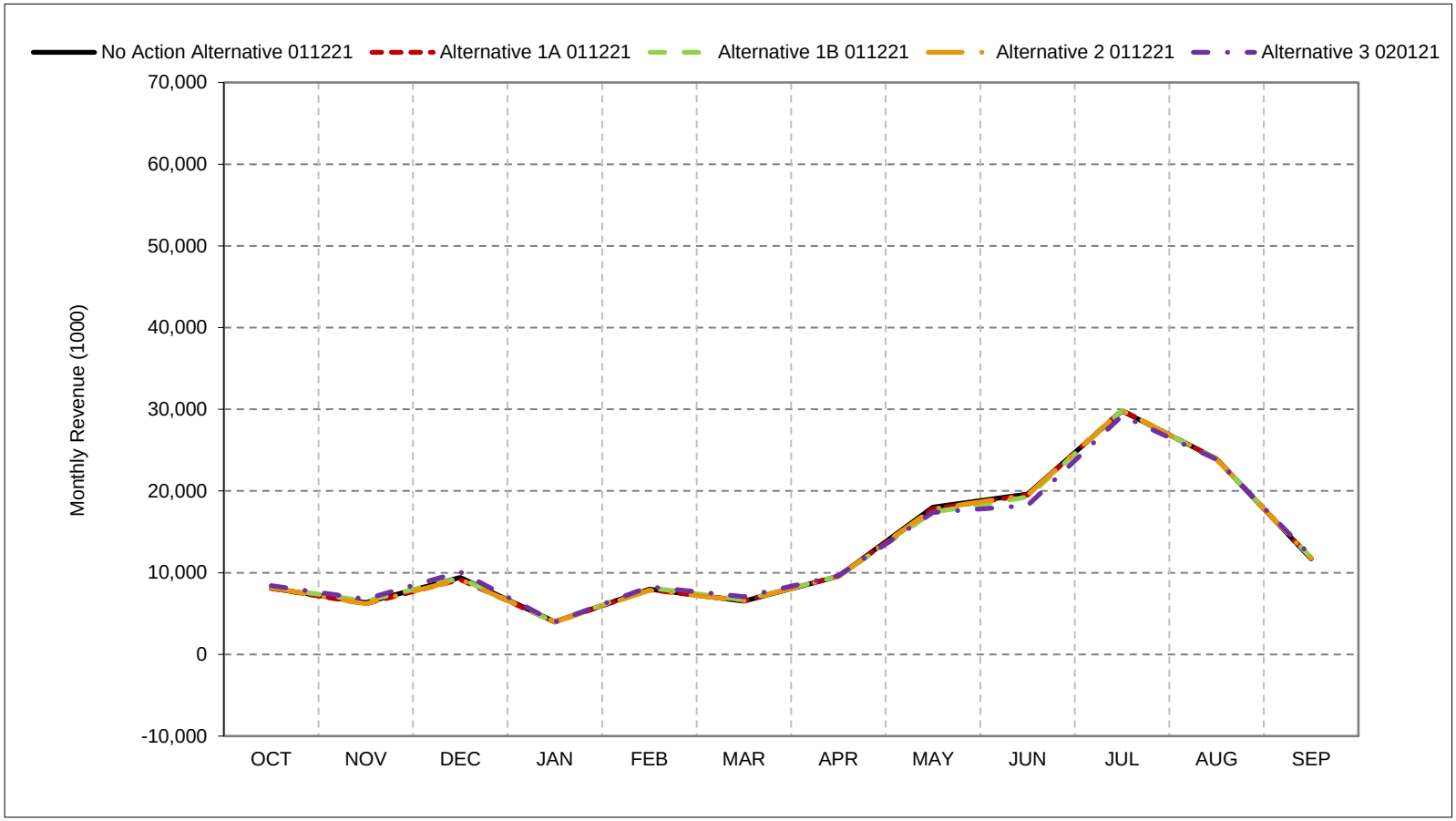


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 5-4. CVP Facilities Net Revenue, Below Normal Year Average Revenue

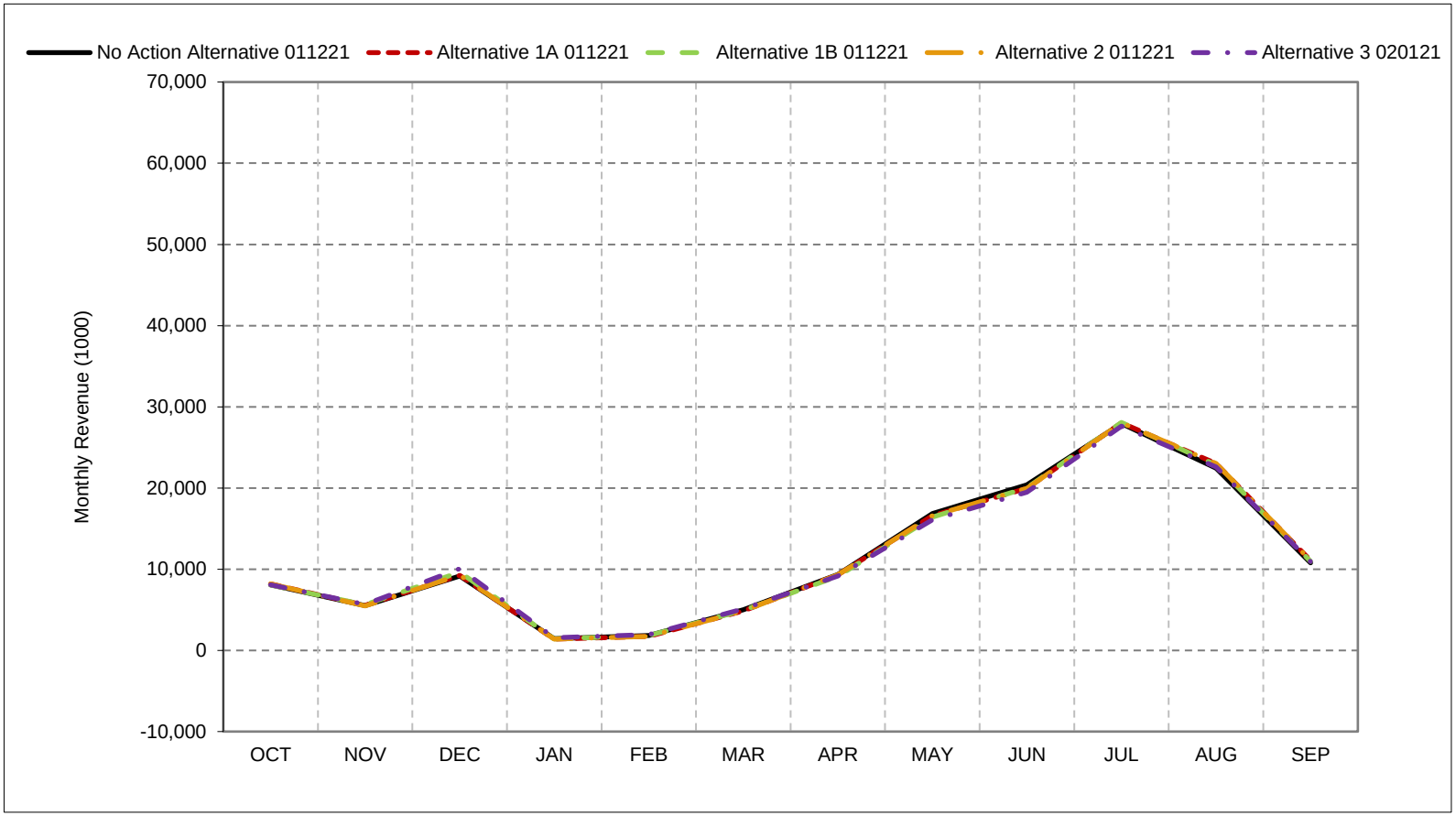


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 5-5. CVP Facilities Net Revenue, Dry Year Average Revenue

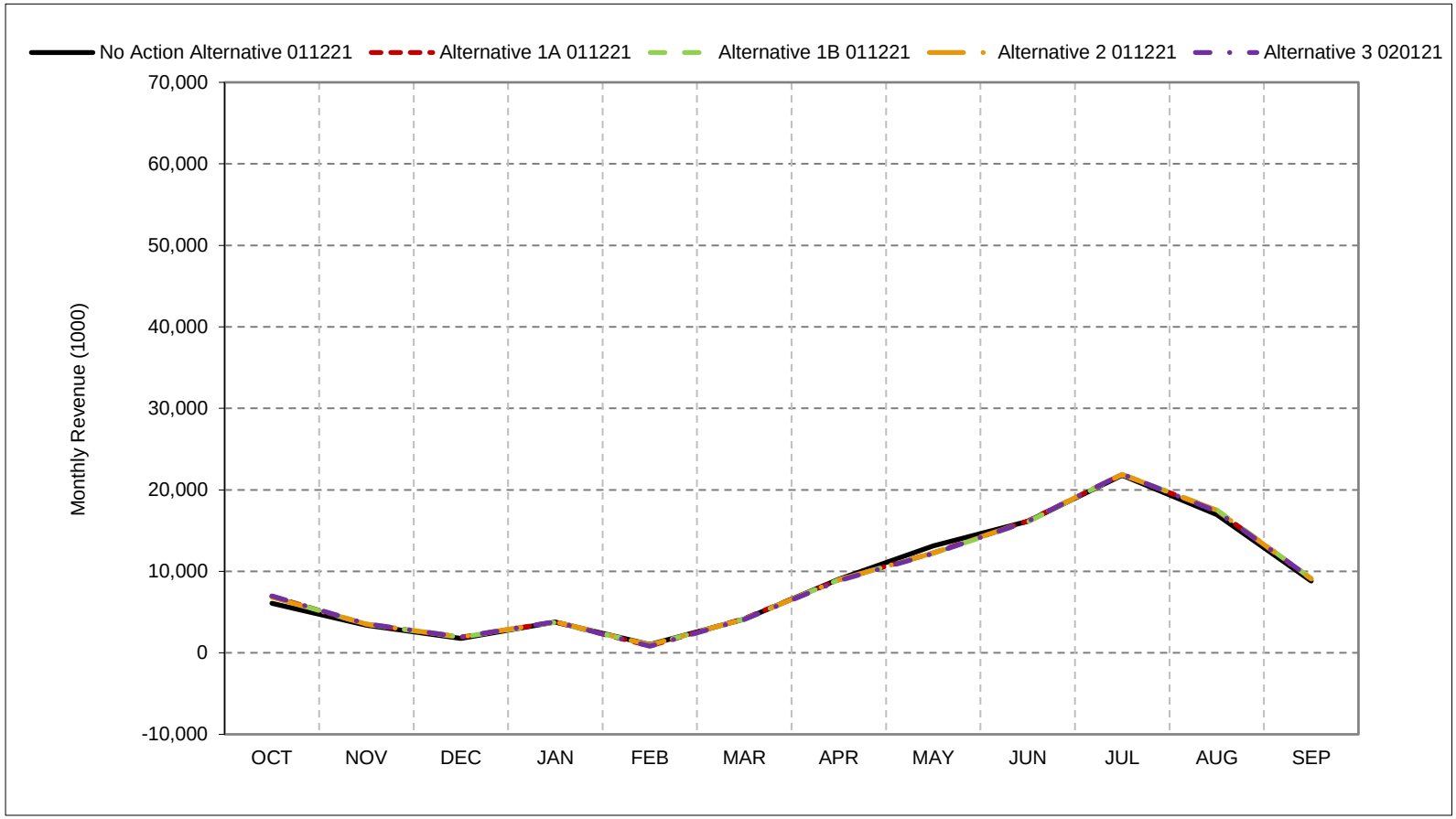


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 5-6. CVP Facilities Net Revenue, Critical Year Average Revenue

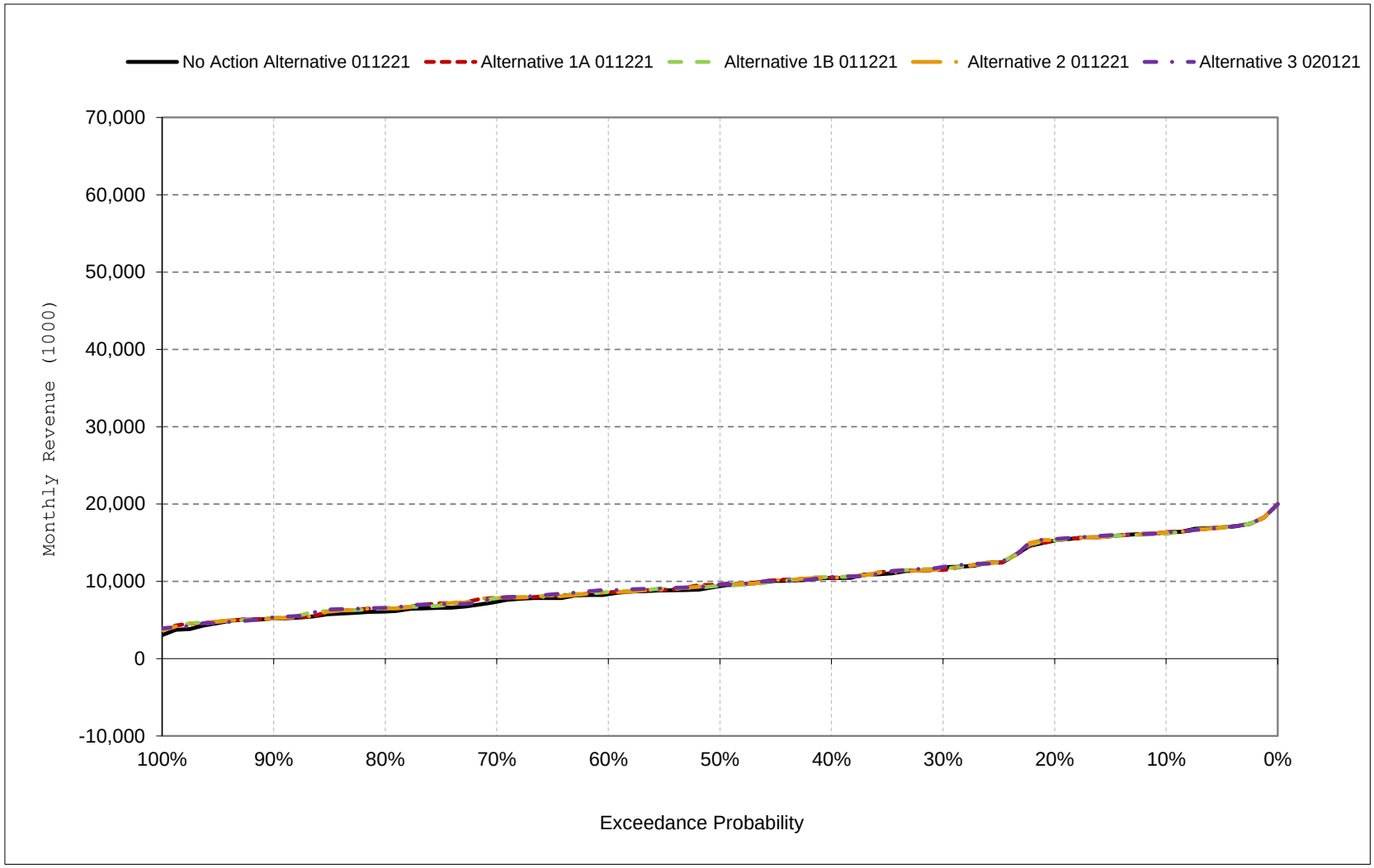


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

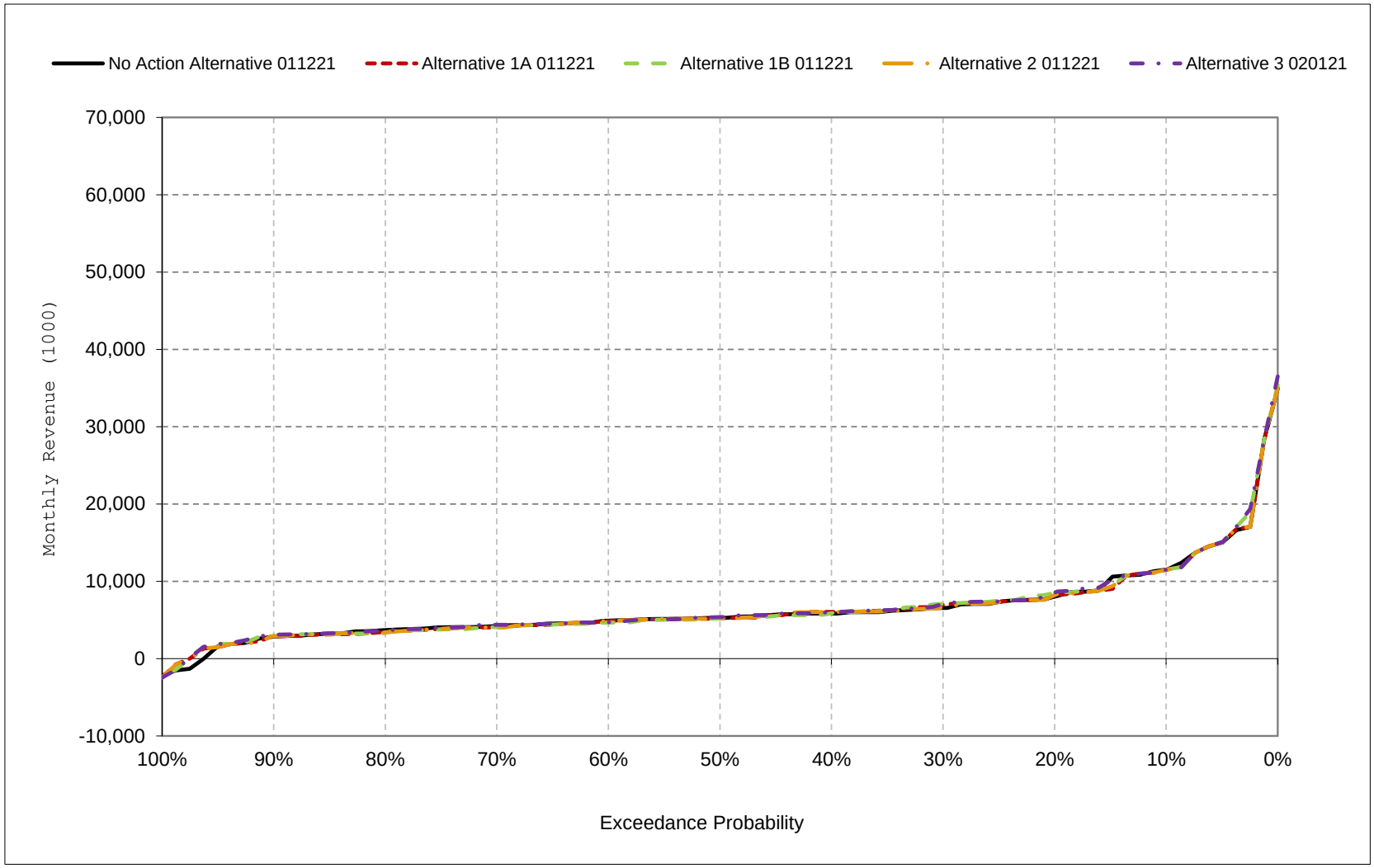
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 5-7. CVP Facilities Net Revenue, October



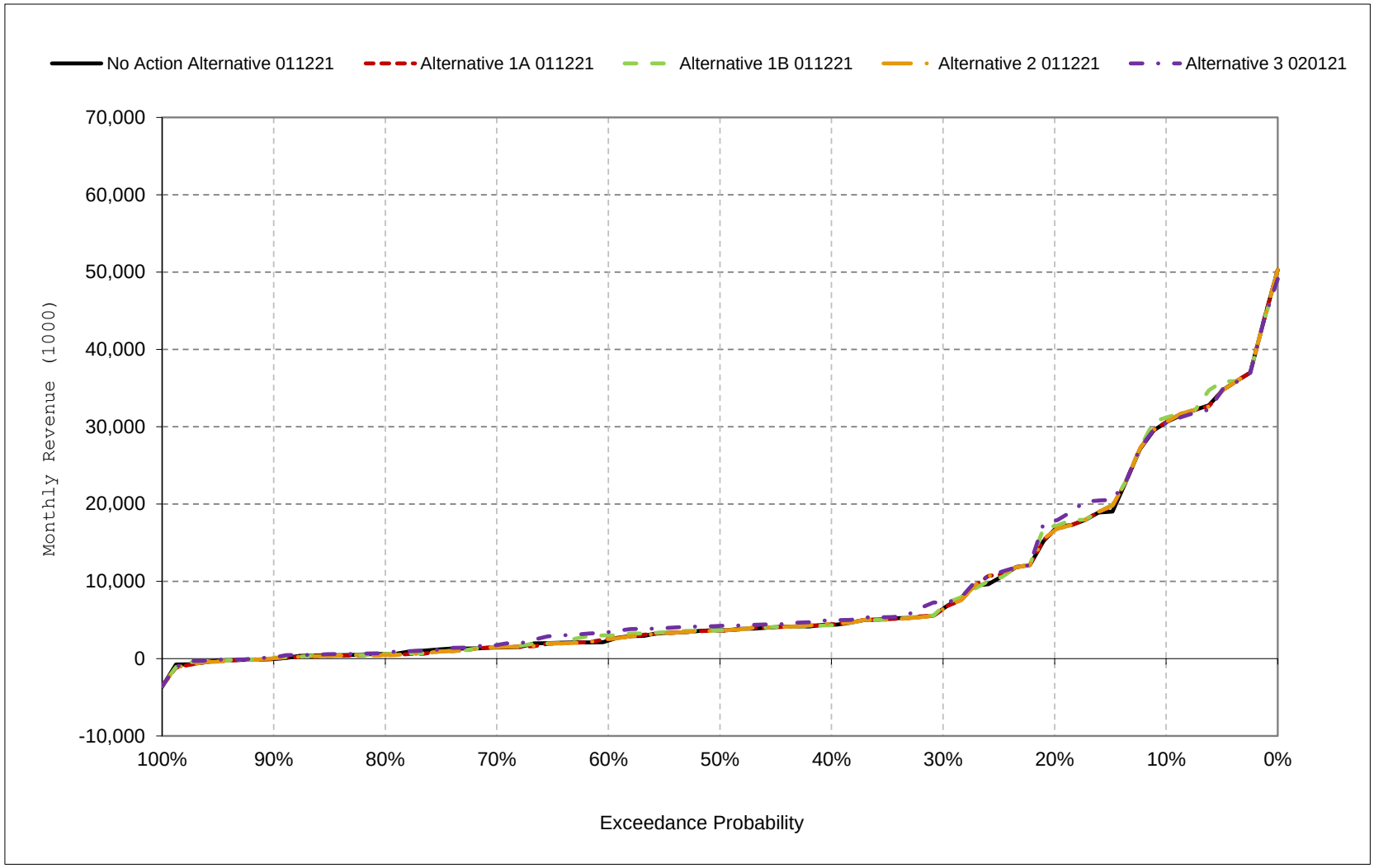
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 5-8. CVP Facilities Net Revenue, November



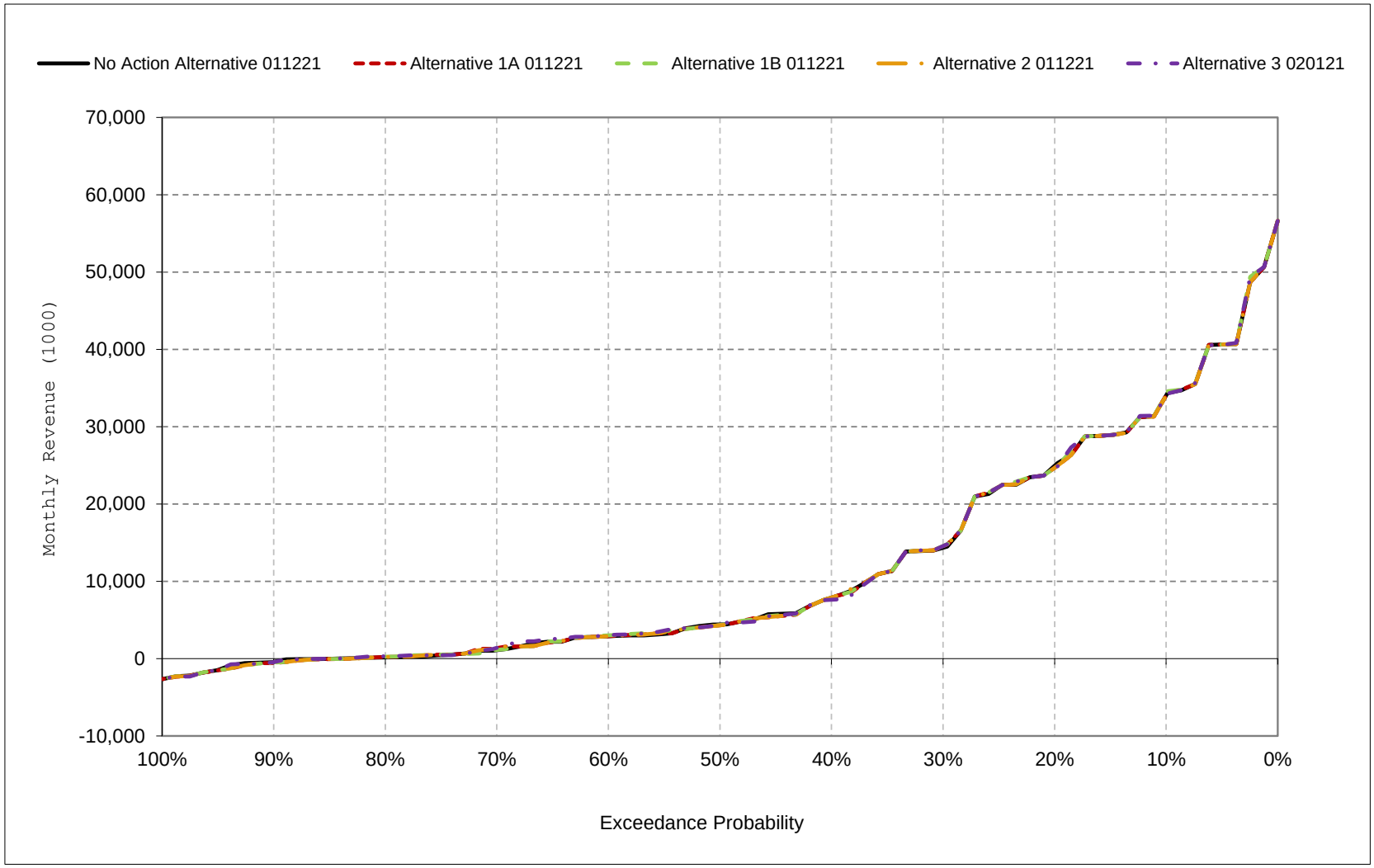
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 5-9. CVP Facilities Net Revenue, December



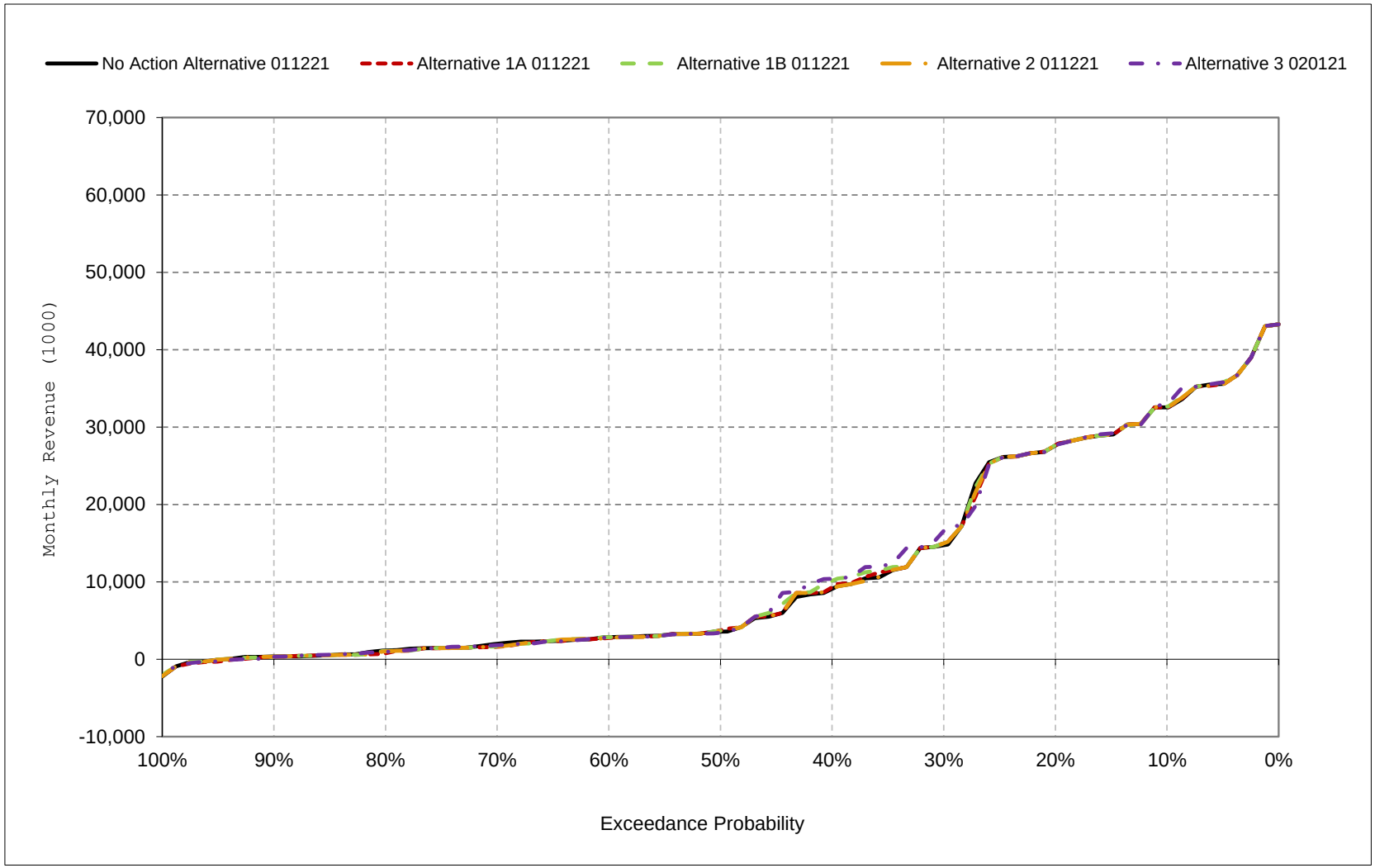
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 5-10. CVP Facilities Net Revenue, January



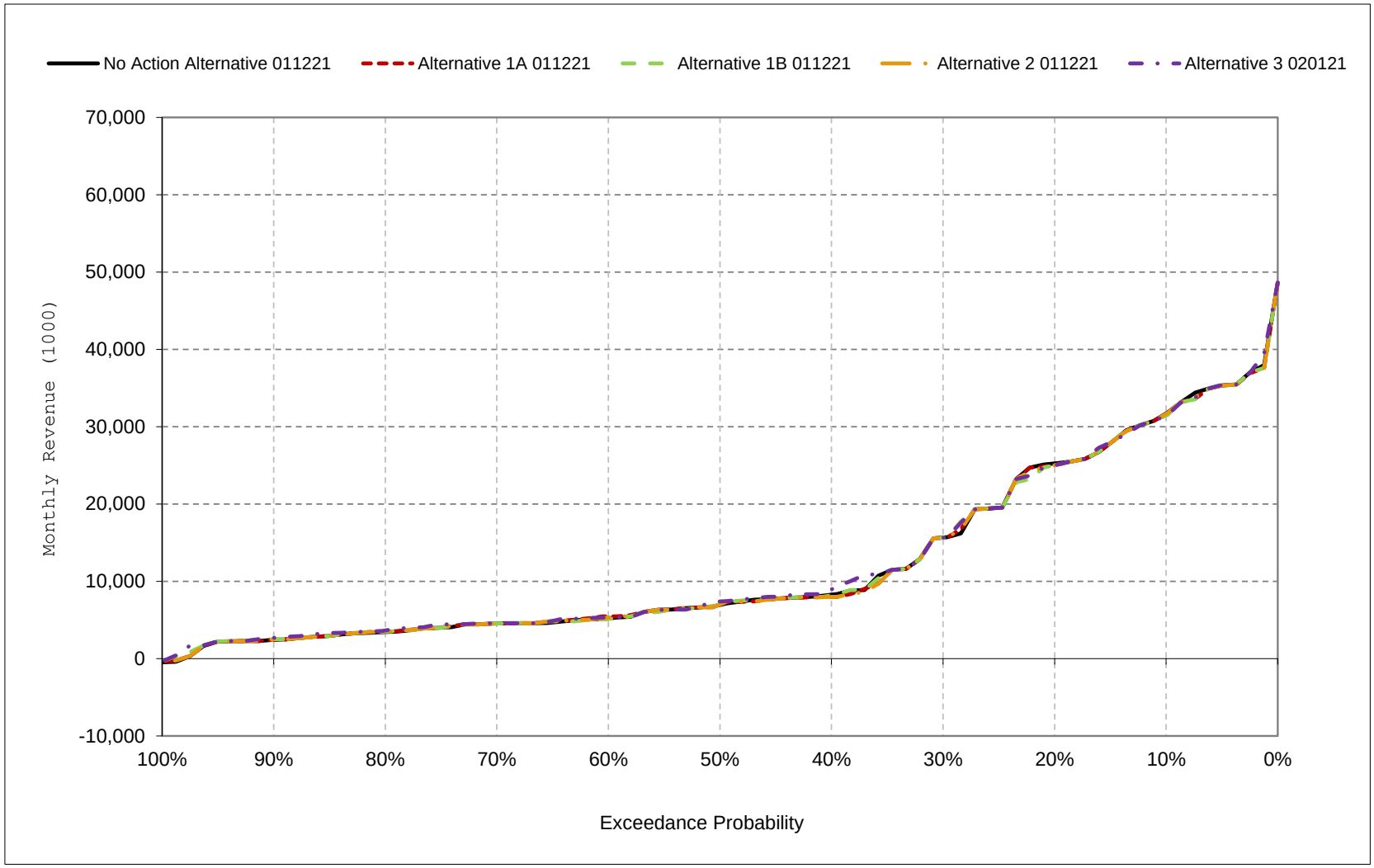
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 5-11. CVP Facilities Net Revenue, February



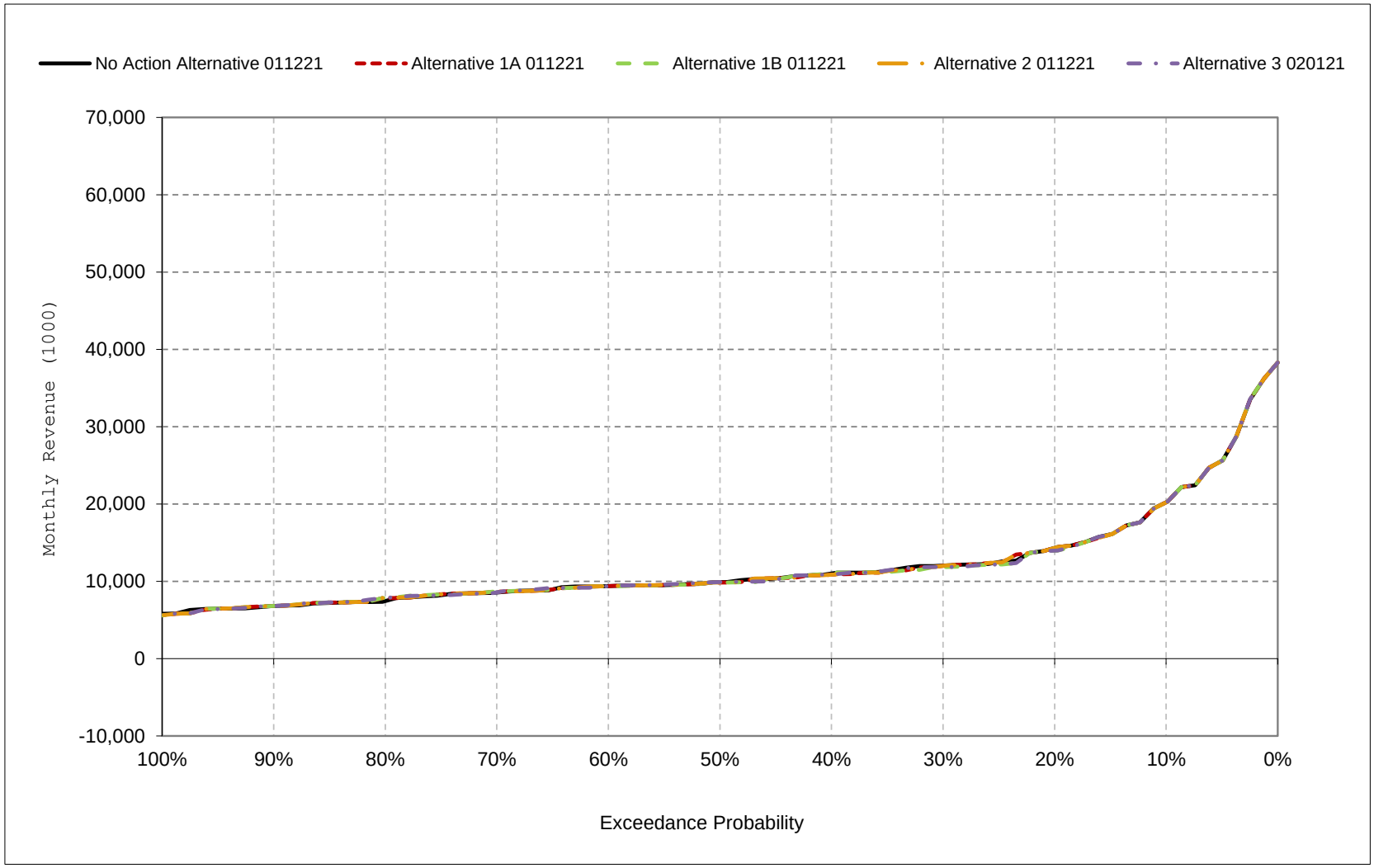
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 5-12. CVP Facilities Net Revenue, March



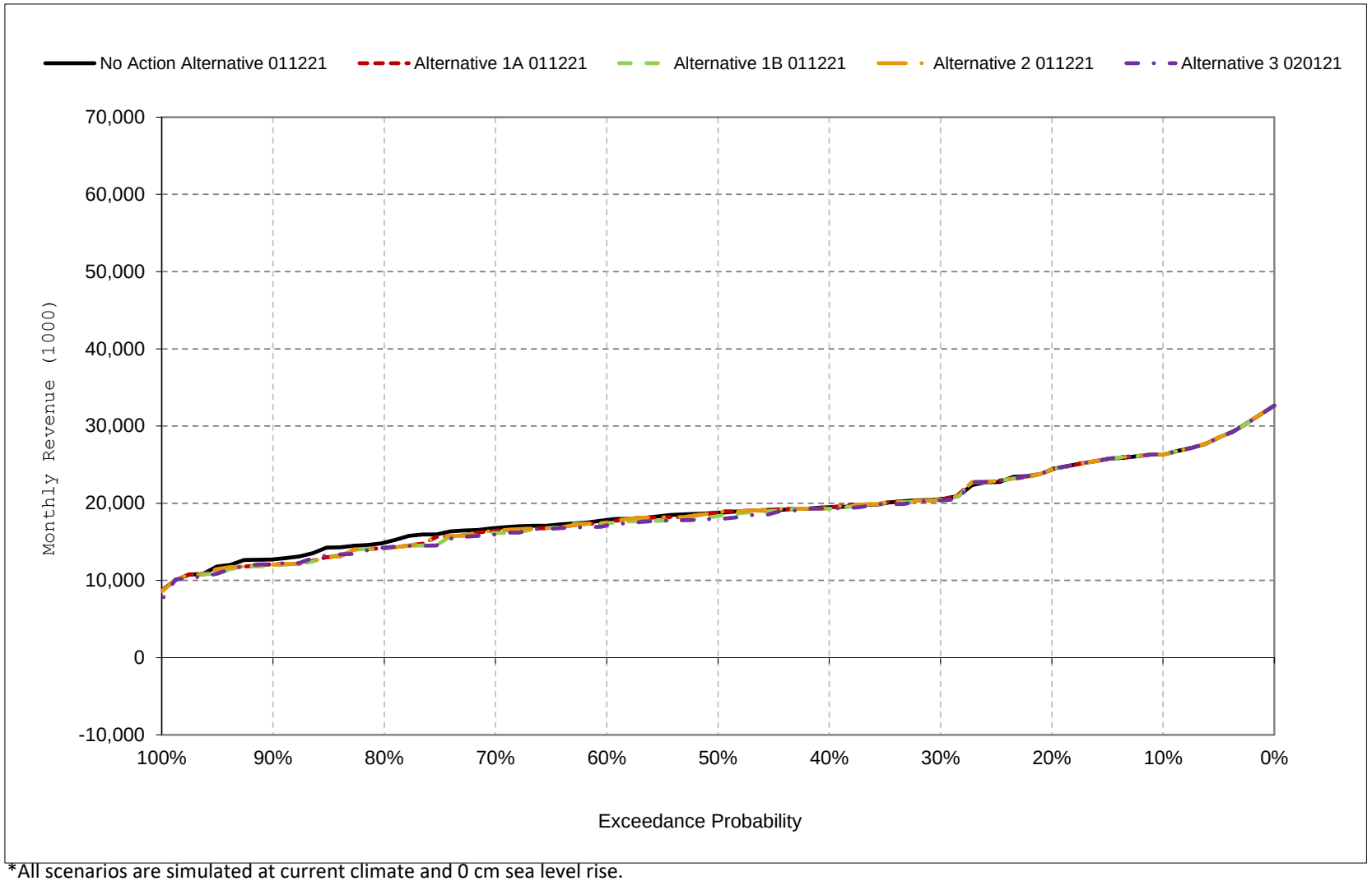
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 5-13. CVP Facilities Net Revenue, April



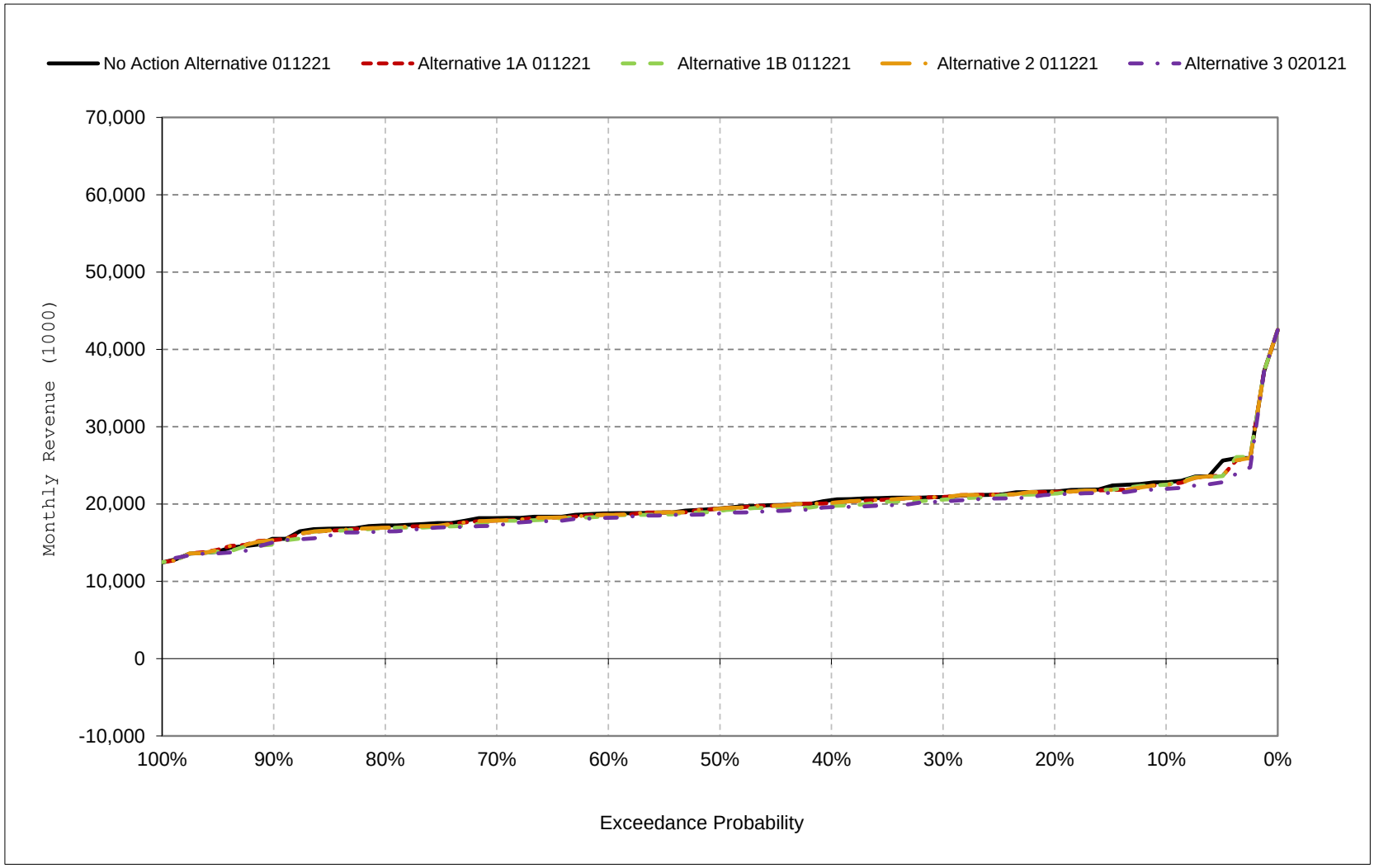
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 5-14. CVP Facilities Net Revenue, May



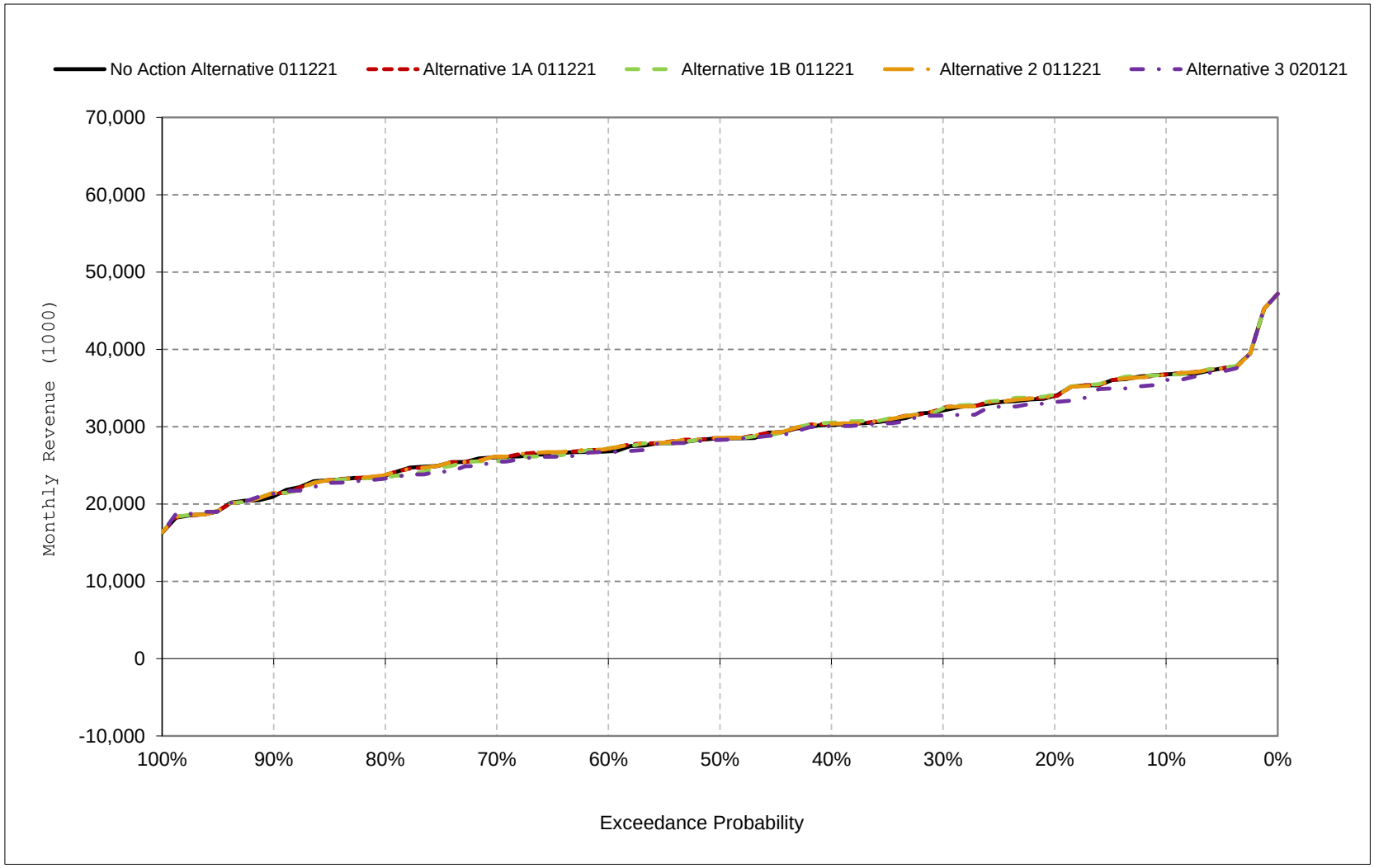
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 5-15. CVP Facilities Net Revenue, June



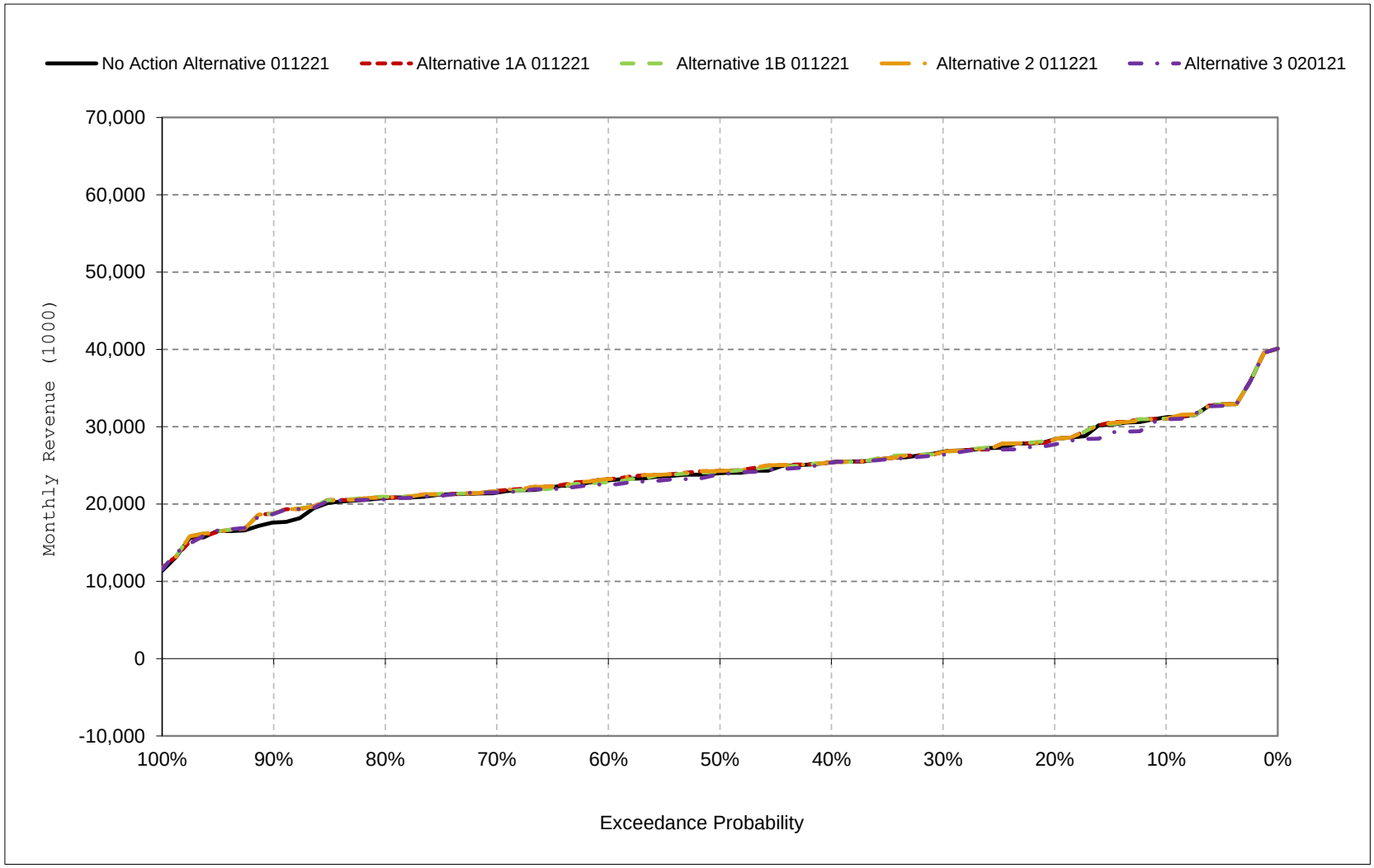
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 5-16. CVP Facilities Net Revenue, July



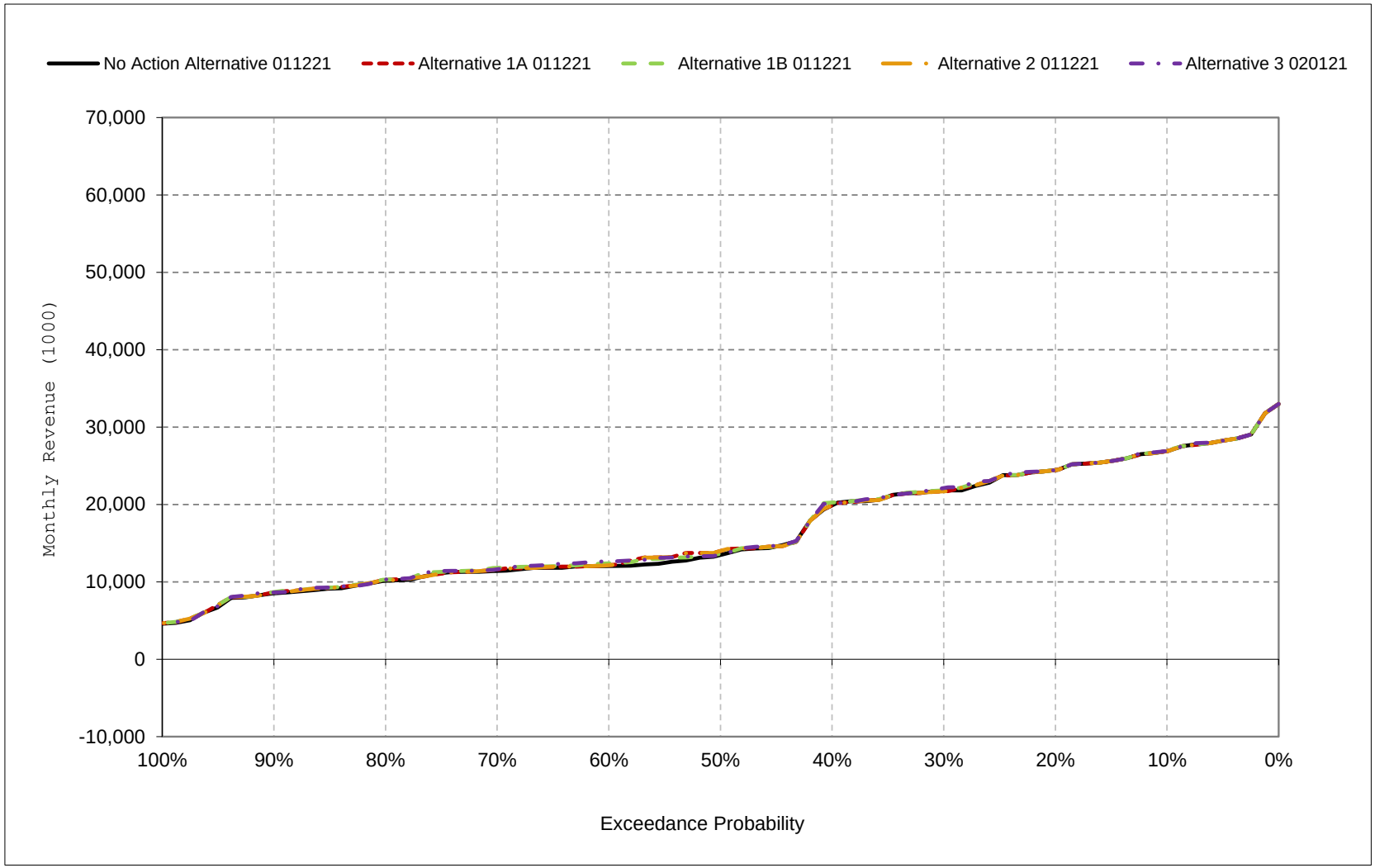
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 5-17. CVP Facilities Net Revenue, August



*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 5-18. CVP Facilities Net Revenue, September



*All scenarios are simulated at current climate and 0 cm sea level rise.

Table 6-1a. SWP Facilities Total Capacity, No Action Alternative 011221, Monthly Capacity (MW)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,203	1,190	1,165	1,363	1,404	1,331	1,283	1,303	1,275	1,249	1,220	1,208
20%	1,101	1,065	1,085	1,191	1,274	1,274	1,227	1,259	1,231	1,222	1,165	1,159
30%	1,044	1,003	1,005	1,106	1,196	1,222	1,210	1,225	1,197	1,191	1,147	1,103
40%	995	959	945	1,037	1,149	1,168	1,198	1,207	1,178	1,176	1,117	1,055
50%	957	920	890	909	1,046	1,128	1,187	1,186	1,163	1,163	1,097	1,011
60%	913	875	840	774	895	1,089	1,178	1,160	1,142	1,119	1,049	923
70%	828	764	785	679	795	942	1,108	1,119	1,098	1,065	889	836
80%	726	461	482	552	742	876	969	986	1,000	887	795	753
90%	349	289	332	312	695	800	882	928	899	745	640	419
Long Term												
Full Simulation Period[a]	875	825	821	868	1,000	1,085	1,136	1,147	1,108	1,049	975	916
Water Year Types[b,c]												
Wet (32%)	1,119	1,097	1,073	1,158	1,280	1,299	1,283	1,289	1,234	1,212	1,177	1,168
Above Normal (15%)	1,025	986	956	878	1,085	1,189	1,186	1,204	1,169	1,184	1,149	1,086
Below Normal (17%)	952	918	910	827	963	1,043	1,159	1,197	1,183	1,174	1,086	972
Dry (22%)	721	610	644	687	789	934	1,065	1,070	1,057	956	840	764
Critical (15%)	336	291	301	550	667	789	844	839	761	554	436	362

Table 6-1b. SWP Facilities Total Capacity, Alternative 1A 011221, Monthly Capacity (MW)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,203	1,190	1,164	1,370	1,407	1,331	1,283	1,302	1,273	1,249	1,219	1,208
20%	1,105	1,068	1,086	1,190	1,275	1,277	1,228	1,259	1,230	1,221	1,167	1,157
30%	1,054	1,007	1,010	1,109	1,219	1,229	1,209	1,226	1,194	1,191	1,152	1,102
40%	1,012	976	948	1,068	1,139	1,163	1,197	1,207	1,178	1,176	1,124	1,061
50%	988	935	897	907	1,042	1,128	1,185	1,183	1,161	1,166	1,100	1,016
60%	955	904	833	780	888	1,082	1,177	1,158	1,135	1,139	1,065	963
70%	916	823	780	662	796	940	1,110	1,124	1,097	1,094	994	891
80%	818	590	466	450	738	874	971	988	987	1,010	938	821
90%	495	303	339	310	696	784	869	925	886	891	740	514
Long Term												
Full Simulation Period[a]	916	847	819	865	999	1,080	1,134	1,145	1,106	1,083	1,018	945
Water Year Types[b,c]												
Wet (32%)	1,119	1,095	1,075	1,162	1,279	1,298	1,284	1,287	1,234	1,212	1,177	1,168
Above Normal (15%)	1,025	987	955	883	1,094	1,188	1,184	1,204	1,169	1,184	1,149	1,086
Below Normal (17%)	981	944	902	829	964	1,042	1,156	1,195	1,179	1,174	1,095	980
Dry (22%)	856	681	639	686	782	927	1,064	1,070	1,054	1,051	956	841
Critical (15%)	383	307	304	512	660	771	839	834	755	647	546	439

Table 6-1c. SWP Facilities Total Capacity, Alternative 1A 011221 minus No Action Alternative 011221, Monthly Capacity (MW)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	-1	0	7	2	0	0	0	-3	0	0	0
20%	4	3	1	-1	1	3	1	0	0	-1	2	-1
30%	10	4	4	4	23	7	0	1	-3	0	5	-1
40%	17	17	3	31	-10	-6	-1	0	0	1	8	6
50%	31	15	8	-2	-4	0	-2	-2	-2	3	3	5
60%	42	28	-7	6	-8	-7	-1	-2	-7	19	16	40
70%	88	59	-6	-18	2	-2	2	4	-1	29	105	55
80%	93	129	-16	-101	-4	-2	1	3	-13	122	143	67
90%	146	14	7	-2	1	-17	-13	-3	-13	145	100	94
Long Term												
Full Simulation Period[a]	42	22	-2	-4	-2	-5	-1	-2	-2	35	43	30
Water Year Types[b,c]												
Wet (32%)	0	-2	2	4	-2	-1	2	-2	0	0	0	0
Above Normal (15%)	0	1	-1	5	8	-1	-2	0	0	0	0	0
Below Normal (17%)	29	27	-8	2	1	-1	-3	-1	-3	-1	9	8
Dry (22%)	135	71	-5	-1	-7	-7	-1	0	-3	96	116	77
Critical (15%)	47	16	2	-38	-7	-18	-5	-6	-7	93	110	77

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 6-2a. SWP Facilities Total Capacity, No Action Alternative 011221, Monthly Capacity (MW)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,203	1,190	1,165	1,363	1,404	1,331	1,283	1,303	1,275	1,249	1,220	1,208
20%	1,101	1,065	1,085	1,191	1,274	1,274	1,227	1,259	1,231	1,222	1,165	1,159
30%	1,044	1,003	1,005	1,106	1,196	1,222	1,210	1,225	1,197	1,191	1,147	1,103
40%	995	959	945	1,037	1,149	1,168	1,198	1,207	1,178	1,176	1,117	1,055
50%	957	920	890	909	1,046	1,128	1,187	1,186	1,163	1,163	1,097	1,011
60%	913	875	840	774	895	1,089	1,178	1,160	1,142	1,119	1,049	923
70%	828	764	785	679	795	942	1,108	1,119	1,098	1,065	889	836
80%	726	461	482	552	742	876	969	986	1,000	887	795	753
90%	349	289	332	312	695	800	882	928	899	745	640	419
Long Term												
Full Simulation Period[a]	875	825	821	868	1,000	1,085	1,136	1,147	1,108	1,049	975	916
Water Year Types[b,c]												
Wet (32%)	1,119	1,097	1,073	1,158	1,280	1,299	1,283	1,289	1,234	1,212	1,177	1,168
Above Normal (15%)	1,025	986	956	878	1,085	1,189	1,186	1,204	1,169	1,184	1,149	1,086
Below Normal (17%)	952	918	910	827	963	1,043	1,159	1,197	1,183	1,174	1,086	972
Dry (22%)	721	610	644	687	789	934	1,065	1,070	1,057	956	840	764
Critical (15%)	336	291	301	550	667	789	844	839	761	554	436	362

Table 6-2b. SWP Facilities Total Capacity, Alternative 1B 011221, Monthly Capacity (MW)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,203	1,190	1,164	1,364	1,408	1,331	1,283	1,303	1,273	1,249	1,219	1,206
20%	1,106	1,068	1,087	1,167	1,273	1,278	1,228	1,259	1,231	1,221	1,167	1,157
30%	1,041	1,005	1,007	1,109	1,219	1,220	1,209	1,230	1,194	1,190	1,151	1,102
40%	1,010	977	948	1,066	1,142	1,173	1,193	1,207	1,178	1,176	1,121	1,061
50%	987	931	898	907	1,038	1,129	1,185	1,183	1,159	1,166	1,101	1,015
60%	956	899	831	782	888	1,078	1,177	1,159	1,142	1,137	1,069	965
70%	915	781	752	665	794	938	1,110	1,123	1,093	1,094	992	896
80%	818	580	467	447	739	878	972	989	988	1,010	931	810
90%	488	297	336	310	697	781	869	924	887	901	739	511
Long Term												
Full Simulation Period[a]	913	843	817	861	999	1,081	1,134	1,146	1,105	1,083	1,017	946
Water Year Types[b,c]												
Wet (32%)	1,120	1,097	1,074	1,150	1,278	1,297	1,285	1,288	1,234	1,212	1,178	1,168
Above Normal (15%)	1,026	988	957	885	1,093	1,186	1,185	1,203	1,166	1,183	1,148	1,085
Below Normal (17%)	973	944	897	827	966	1,047	1,153	1,196	1,180	1,175	1,092	981
Dry (22%)	852	658	637	687	782	927	1,063	1,069	1,054	1,049	952	841
Critical (15%)	375	307	301	512	663	778	840	836	755	647	545	439

Table 6-2c. SWP Facilities Total Capacity, Alternative 1B 011221 minus No Action Alternative 011221, Monthly Capacity (MW)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	0	2	4	0	0	0	-3	0	0	-2
20%	5	3	1	-24	-1	4	1	0	0	0	2	-1
30%	-3	2	2	4	23	-2	0	5	-3	-1	4	-1
40%	16	18	3	29	-7	5	-5	0	0	1	4	6
50%	31	11	8	-2	-8	1	-2	-3	-4	3	4	4
60%	43	24	-8	7	-8	-12	-1	-1	1	18	20	43
70%	87	17	-33	-15	0	-4	1	4	-5	29	104	59
80%	93	119	-15	-104	-4	2	2	3	-11	123	136	56
90%	139	7	4	-2	2	-19	-14	-3	-12	156	99	91
Long Term												
Full Simulation Period[a]	39	17	-4	-7	-1	-4	-1	-1	-2	34	42	30
Water Year Types[b,c]												
Wet (32%)	1	0	1	-8	-2	-2	2	-1	0	0	0	0
Above Normal (15%)	1	1	2	7	7	-3	-1	-1	-2	0	0	-1
Below Normal (17%)	21	26	-13	1	3	4	-7	-1	-3	1	6	9
Dry (22%)	132	47	-7	0	-7	-8	-2	-1	-4	93	112	77
Critical (15%)	39	16	-1	-38	-4	-12	-3	-4	-6	93	109	77

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 6-3a. SWP Facilities Total Capacity, No Action Alternative 011221, Monthly Capacity (MW)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,203	1,190	1,165	1,363	1,404	1,331	1,283	1,303	1,275	1,249	1,220	1,208
20%	1,101	1,065	1,085	1,191	1,274	1,274	1,227	1,259	1,231	1,222	1,165	1,159
30%	1,044	1,003	1,005	1,106	1,196	1,222	1,210	1,225	1,197	1,191	1,147	1,103
40%	995	959	945	1,037	1,149	1,168	1,198	1,207	1,178	1,176	1,117	1,055
50%	957	920	890	909	1,046	1,128	1,187	1,186	1,163	1,163	1,097	1,011
60%	913	875	840	774	895	1,089	1,178	1,160	1,142	1,119	1,049	923
70%	828	764	785	679	795	942	1,108	1,119	1,098	1,065	889	836
80%	726	461	482	552	742	876	969	986	1,000	887	795	753
90%	349	289	332	312	695	800	882	928	899	745	640	419
Long Term												
Full Simulation Period[a]	875	825	821	868	1,000	1,085	1,136	1,147	1,108	1,049	975	916
Water Year Types[b,c]												
Wet (32%)	1,119	1,097	1,073	1,158	1,280	1,299	1,283	1,289	1,234	1,212	1,177	1,168
Above Normal (15%)	1,025	986	956	878	1,085	1,189	1,186	1,204	1,169	1,184	1,149	1,086
Below Normal (17%)	952	918	910	827	963	1,043	1,159	1,197	1,183	1,174	1,086	972
Dry (22%)	721	610	644	687	789	934	1,065	1,070	1,057	956	840	764
Critical (15%)	336	291	301	550	667	789	844	839	761	554	436	362

Table 6-3b. SWP Facilities Total Capacity, Alternative 2 011221, Monthly Capacity (MW)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,203	1,190	1,164	1,371	1,406	1,331	1,283	1,302	1,273	1,249	1,219	1,208
20%	1,105	1,068	1,087	1,190	1,275	1,277	1,228	1,259	1,231	1,221	1,167	1,157
30%	1,054	1,019	1,010	1,109	1,217	1,229	1,210	1,224	1,194	1,190	1,152	1,102
40%	1,009	976	948	1,065	1,142	1,167	1,193	1,207	1,178	1,177	1,124	1,061
50%	986	940	898	907	1,043	1,128	1,185	1,179	1,157	1,167	1,103	1,015
60%	952	900	841	780	888	1,070	1,173	1,158	1,137	1,142	1,066	963
70%	908	791	780	662	794	942	1,116	1,124	1,098	1,100	992	895
80%	809	600	457	450	738	873	971	989	987	1,009	944	814
90%	443	284	342	310	696	784	869	925	886	856	739	503
Long Term												
Full Simulation Period[a]	909	843	819	864	999	1,080	1,134	1,145	1,105	1,083	1,017	943
Water Year Types[b,c]												
Wet (32%)	1,120	1,095	1,075	1,162	1,279	1,298	1,284	1,287	1,234	1,212	1,177	1,168
Above Normal (15%)	1,025	987	955	884	1,093	1,184	1,186	1,204	1,170	1,184	1,148	1,086
Below Normal (17%)	981	950	902	826	965	1,043	1,152	1,191	1,177	1,176	1,098	982
Dry (22%)	835	657	640	686	782	927	1,064	1,070	1,054	1,050	958	834
Critical (15%)	365	307	300	512	661	776	839	835	756	642	534	429

Table 6-3c. SWP Facilities Total Capacity, Alternative 2 011221 minus No Action Alternative 011221, Monthly Capacity (MW)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	0	8	2	0	0	0	-3	0	0	0
20%	4	3	1	-1	1	3	1	0	0	-1	2	-1
30%	10	16	4	4	21	7	0	-1	-3	-1	5	-1
40%	15	17	3	29	-7	-1	-5	0	0	1	8	6
50%	29	20	8	-2	-3	0	-2	-7	-6	4	6	4
60%	39	24	1	6	-8	-19	-5	-2	-4	23	16	40
70%	80	27	-5	-18	-1	0	7	4	0	35	103	59
80%	83	139	-25	-101	-4	-3	1	3	-13	121	150	61
90%	94	-5	10	-2	1	-17	-13	-3	-13	111	99	83
Long Term												
Full Simulation Period[a]	34	18	-2	-4	-1	-5	-2	-2	-2	34	42	27
Water Year Types[b,c]												
Wet (32%)	1	-1	2	4	-1	-1	2	-2	0	0	0	0
Above Normal (15%)	0	1	-1	6	8	-5	0	0	2	0	0	0
Below Normal (17%)	29	32	-9	0	2	0	-7	-6	-6	2	11	10
Dry (22%)	114	47	-4	-1	-7	-7	-1	0	-3	95	118	70
Critical (15%)	29	15	-1	-38	-6	-14	-4	-5	-5	88	98	66

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 6-4a. SWP Facilities Total Capacity, No Action Alternative 011221, Monthly Capacity (MW)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,203	1,190	1,165	1,363	1,404	1,331	1,283	1,303	1,275	1,249	1,220	1,208
20%	1,101	1,065	1,085	1,191	1,274	1,274	1,227	1,259	1,231	1,222	1,165	1,159
30%	1,044	1,003	1,005	1,106	1,196	1,222	1,210	1,225	1,197	1,191	1,147	1,103
40%	995	959	945	1,037	1,149	1,168	1,198	1,207	1,178	1,176	1,117	1,055
50%	957	920	890	909	1,046	1,128	1,187	1,186	1,163	1,163	1,097	1,011
60%	913	875	840	774	895	1,089	1,178	1,160	1,142	1,119	1,049	923
70%	828	764	785	679	795	942	1,108	1,119	1,098	1,065	889	836
80%	726	461	482	552	742	876	969	986	1,000	887	795	753
90%	349	289	332	312	695	800	882	928	899	745	640	419
Long Term												
Full Simulation Period[a]	875	825	821	868	1,000	1,085	1,136	1,147	1,108	1,049	975	916
Water Year Types[b,c]												
Wet (32%)	1,119	1,097	1,073	1,158	1,280	1,299	1,283	1,289	1,234	1,212	1,177	1,168
Above Normal (15%)	1,025	986	956	878	1,085	1,189	1,186	1,204	1,169	1,184	1,149	1,086
Below Normal (17%)	952	918	910	827	963	1,043	1,159	1,197	1,183	1,174	1,086	972
Dry (22%)	721	610	644	687	789	934	1,065	1,070	1,057	956	840	764
Critical (15%)	336	291	301	550	667	789	844	839	761	554	436	362

Table 6-4b. SWP Facilities Total Capacity, Alternative 3 020121, Monthly Capacity (MW)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,203	1,190	1,164	1,370	1,409	1,331	1,279	1,303	1,273	1,248	1,219	1,204
20%	1,106	1,070	1,075	1,194	1,275	1,281	1,230	1,249	1,225	1,221	1,166	1,162
30%	1,051	1,015	1,009	1,109	1,212	1,230	1,204	1,225	1,195	1,185	1,150	1,102
40%	1,008	980	957	1,068	1,140	1,181	1,194	1,207	1,178	1,179	1,120	1,058
50%	985	937	896	907	1,043	1,129	1,186	1,182	1,157	1,170	1,103	1,009
60%	953	902	842	787	915	1,086	1,166	1,161	1,143	1,132	1,070	965
70%	898	776	743	678	805	949	1,102	1,117	1,095	1,090	986	898
80%	766	493	488	534	745	877	974	985	996	997	888	805
90%	378	294	330	290	692	789	872	924	892	854	733	521
Long Term												
Full Simulation Period[a]	902	837	819	873	1,002	1,086	1,134	1,146	1,105	1,082	1,010	942
Water Year Types[b,c]												
Wet (32%)	1,120	1,096	1,072	1,162	1,279	1,300	1,285	1,288	1,233	1,209	1,176	1,168
Above Normal (15%)	1,034	997	970	892	1,090	1,190	1,187	1,205	1,168	1,184	1,150	1,088
Below Normal (17%)	972	944	893	832	971	1,061	1,148	1,191	1,178	1,177	1,094	978
Dry (22%)	812	640	640	694	793	930	1,065	1,071	1,055	1,040	928	837
Critical (15%)	355	289	303	545	666	780	841	836	756	655	533	418

Table 6-4c. SWP Facilities Total Capacity, Alternative 3 020121 minus No Action Alternative 011221, Monthly Capacity (MW)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-1	-1	0	8	5	0	-4	0	-3	-1	-1	-5
20%	5	5	-11	3	1	7	3	-9	-6	-1	1	3
30%	7	12	3	4	16	8	-6	-1	-2	-6	2	-1
40%	13	21	12	31	-9	13	-5	0	0	3	3	2
50%	28	17	6	-2	-2	1	-1	-4	-6	7	6	-2
60%	40	27	2	13	19	-3	-12	0	2	13	20	43
70%	70	12	-42	-2	10	8	-6	-2	-3	25	97	61
80%	40	32	6	-18	2	1	4	-1	-3	110	94	52
90%	29	5	-2	-22	-3	-11	-11	-3	-6	109	93	102
Long Term												
Full Simulation Period[a]	28	12	-2	5	2	1	-2	-1	-2	33	35	26
Water Year Types[b,c]												
Wet (32%)	1	-1	-1	4	-1	1	2	-1	-1	-3	-1	0
Above Normal (15%)	8	11	15	13	4	1	0	1	-1	0	2	2
Below Normal (17%)	20	26	-18	5	7	18	-11	-6	-4	3	8	6
Dry (22%)	91	30	-4	7	3	-4	0	1	-2	84	89	73
Critical (15%)	19	-2	2	-5	-1	-9	-3	-3	-6	101	98	56

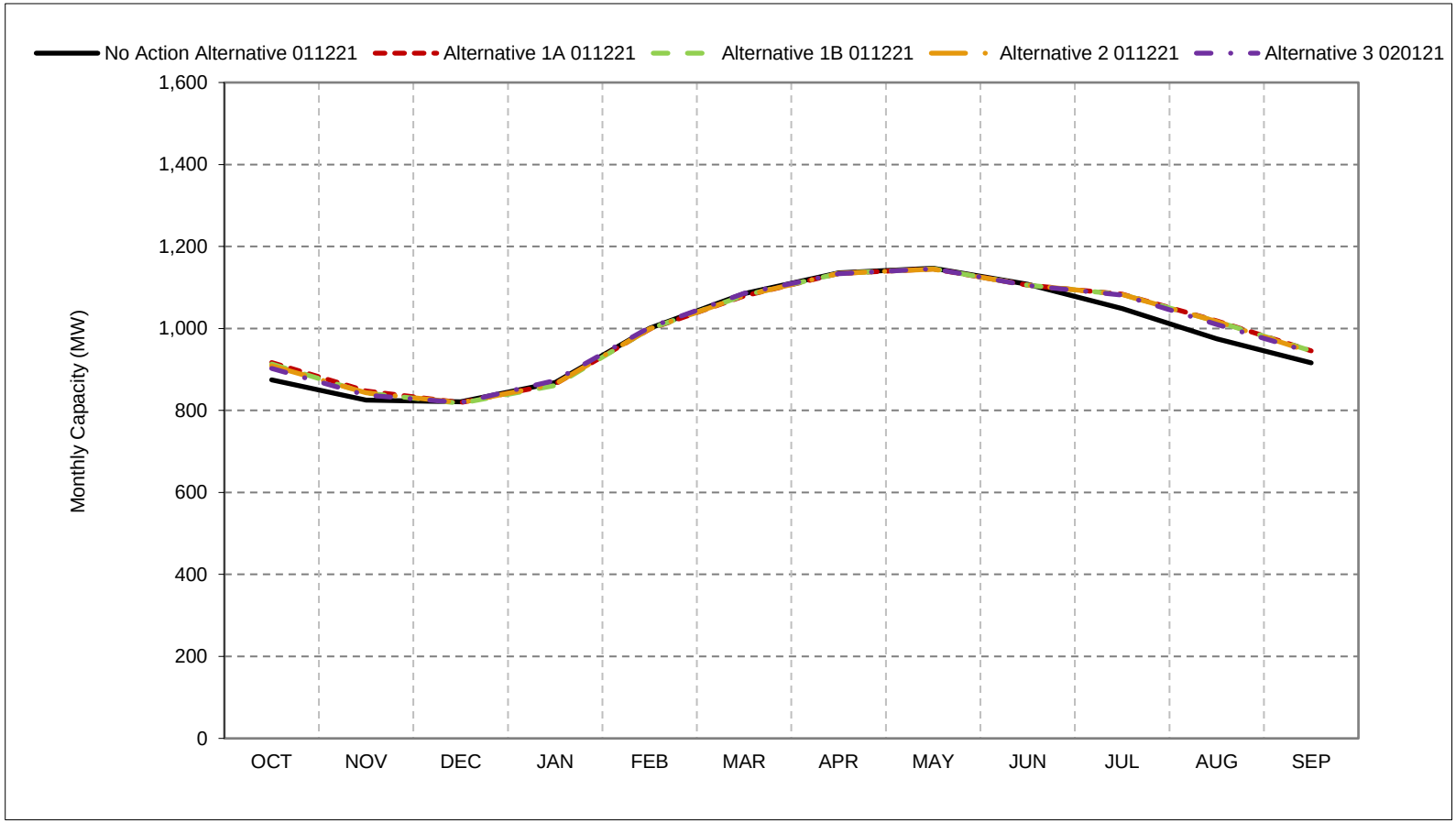
a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6-1. SWP Facilities Total Capacity, Long-Term Average Capacity

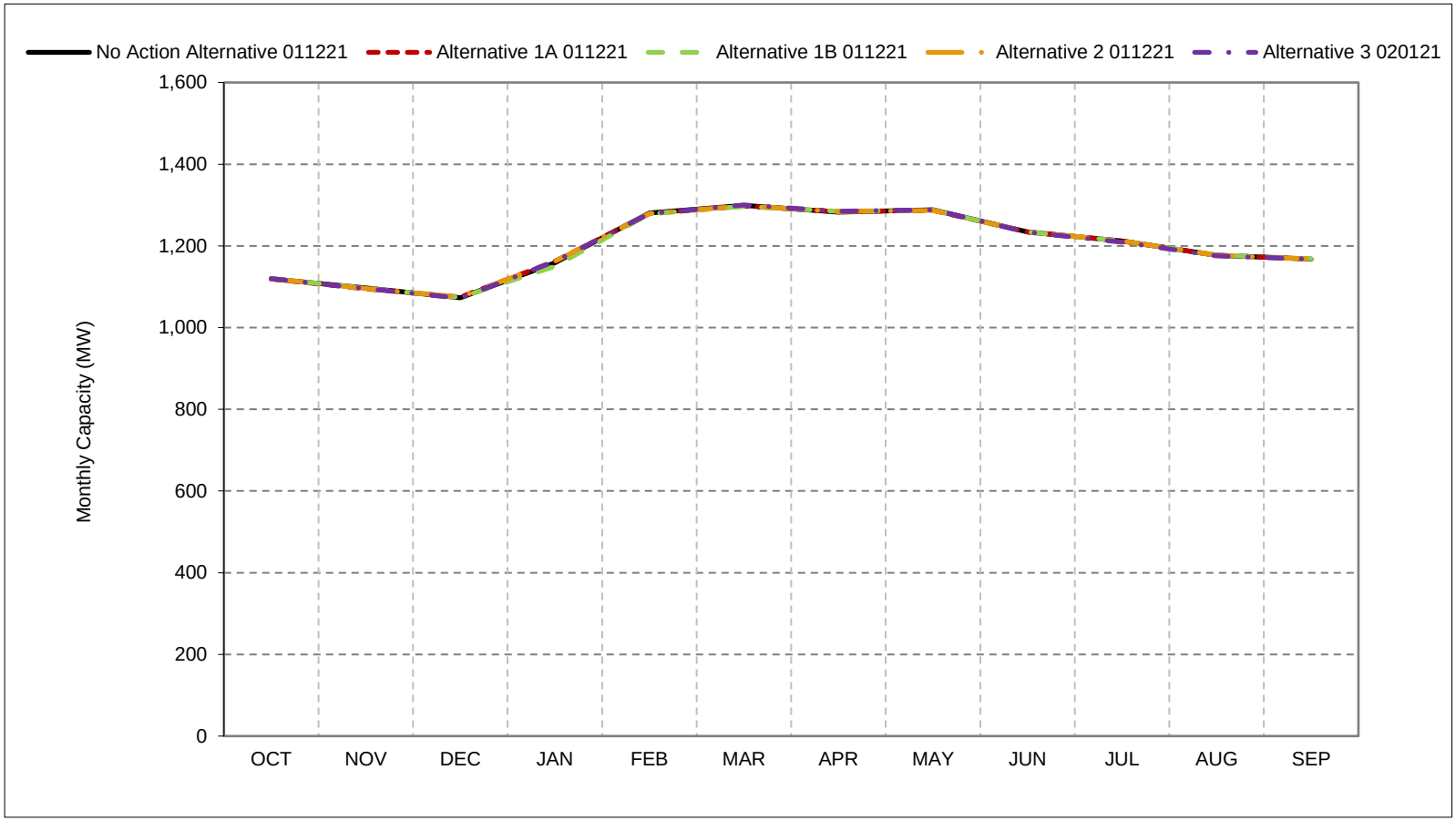


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6-2. SWP Facilities Total Capacity, Wet Year Average Capacity

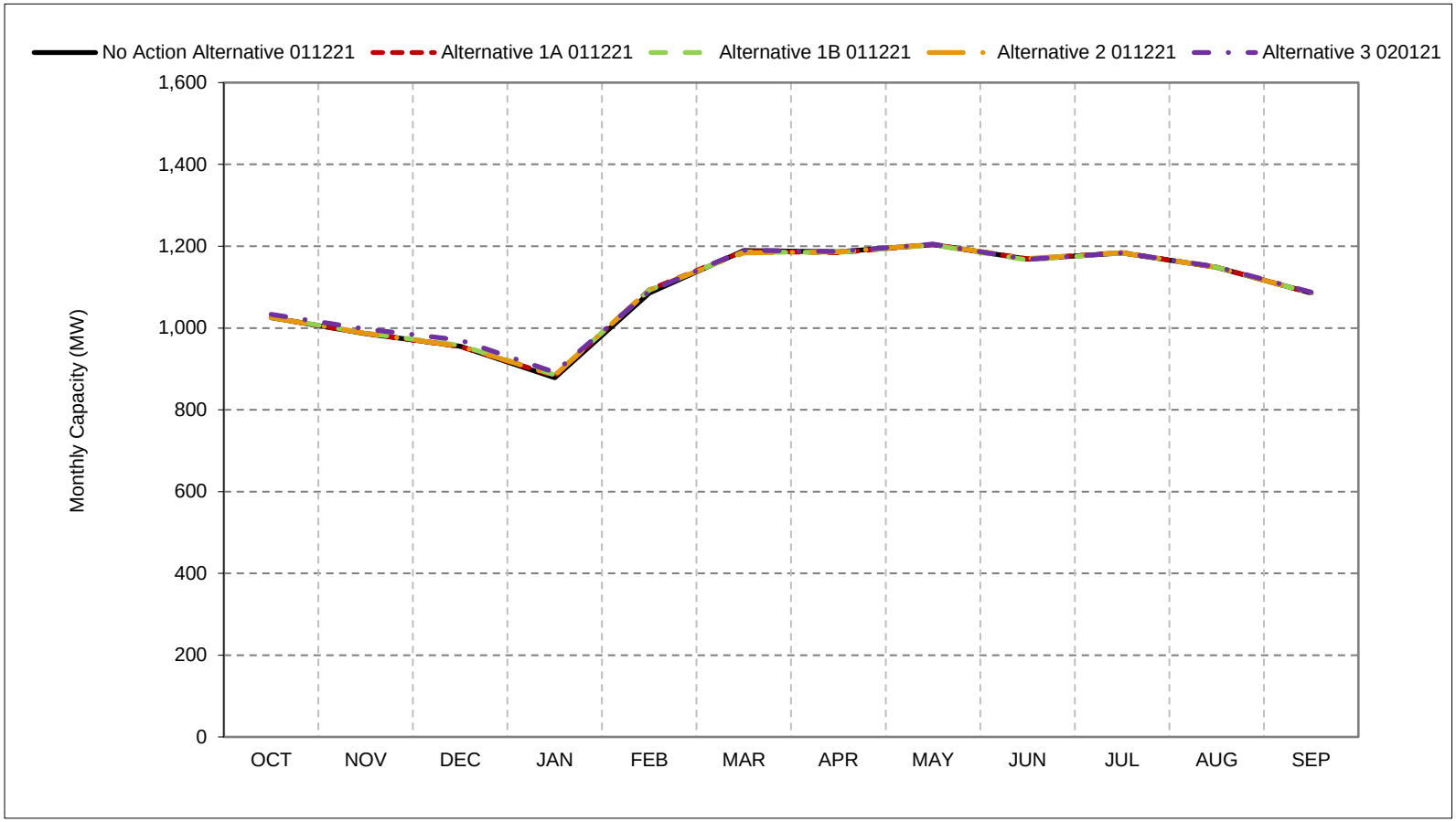


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6-3. SWP Facilities Total Capacity, Above Normal Year Average Capacity

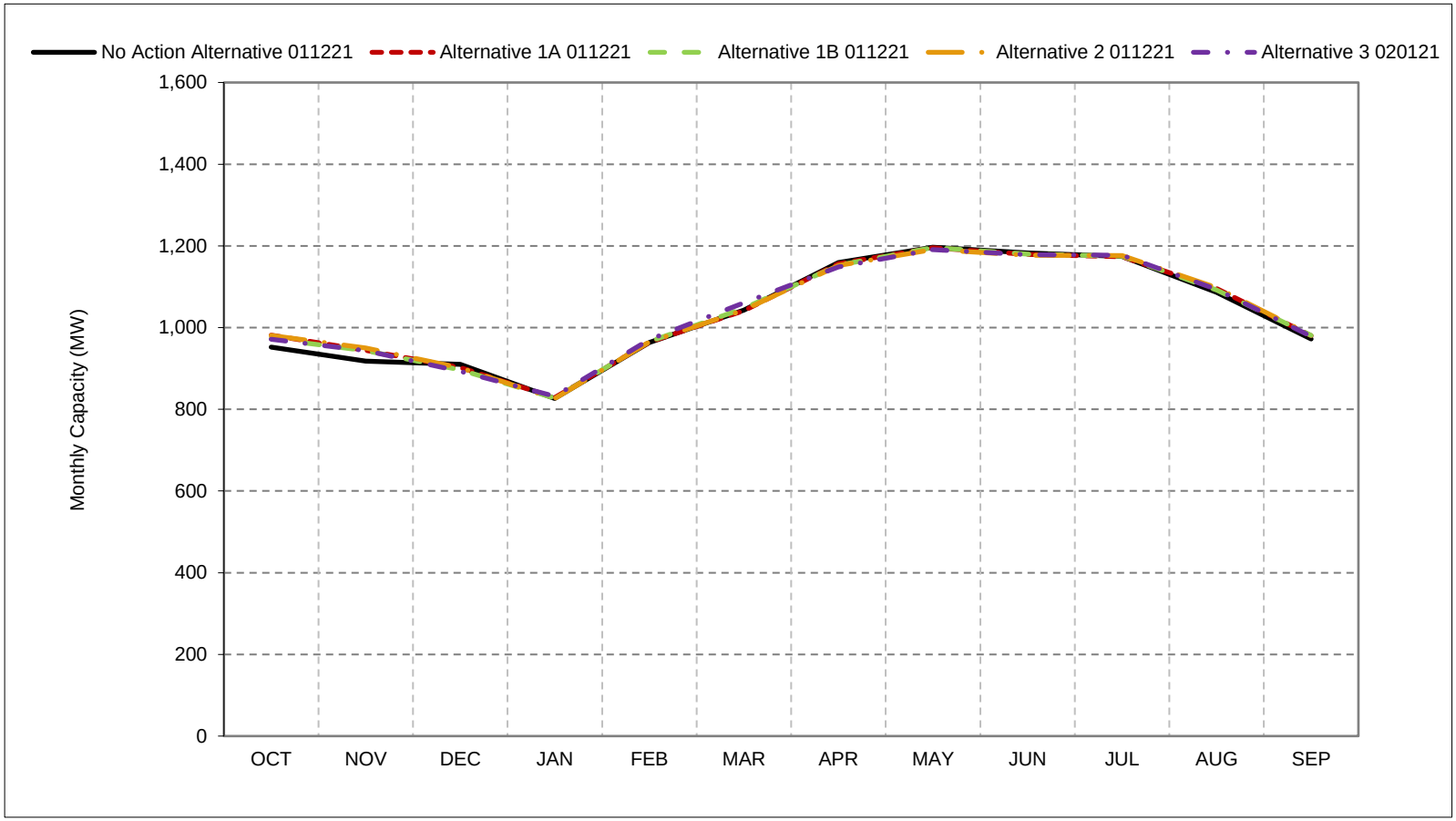


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6-4. SWP Facilities Total Capacity, Below Normal Year Average Capacity

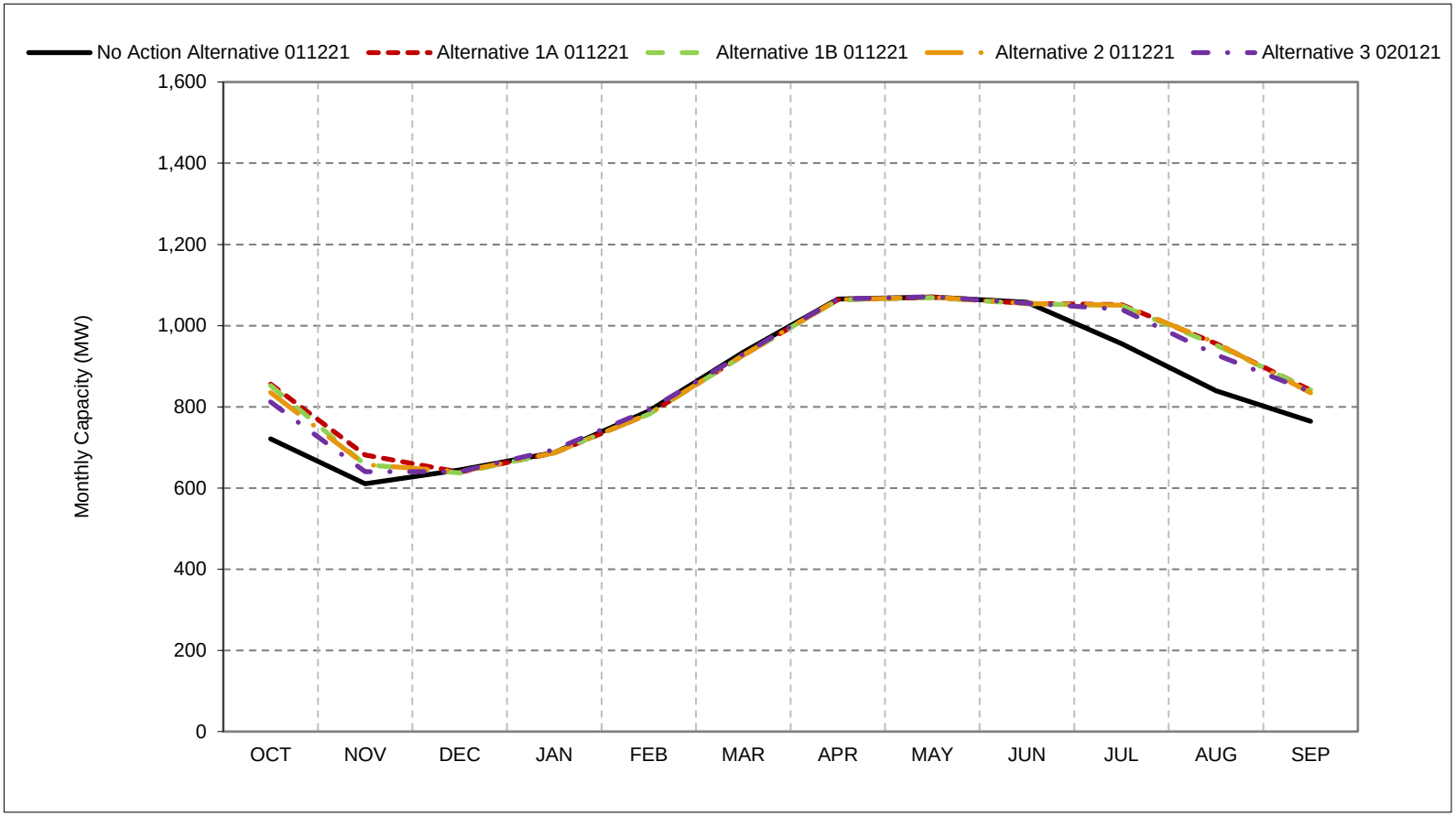


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6-5. SWP Facilities Total Capacity, Dry Year Average Capacity

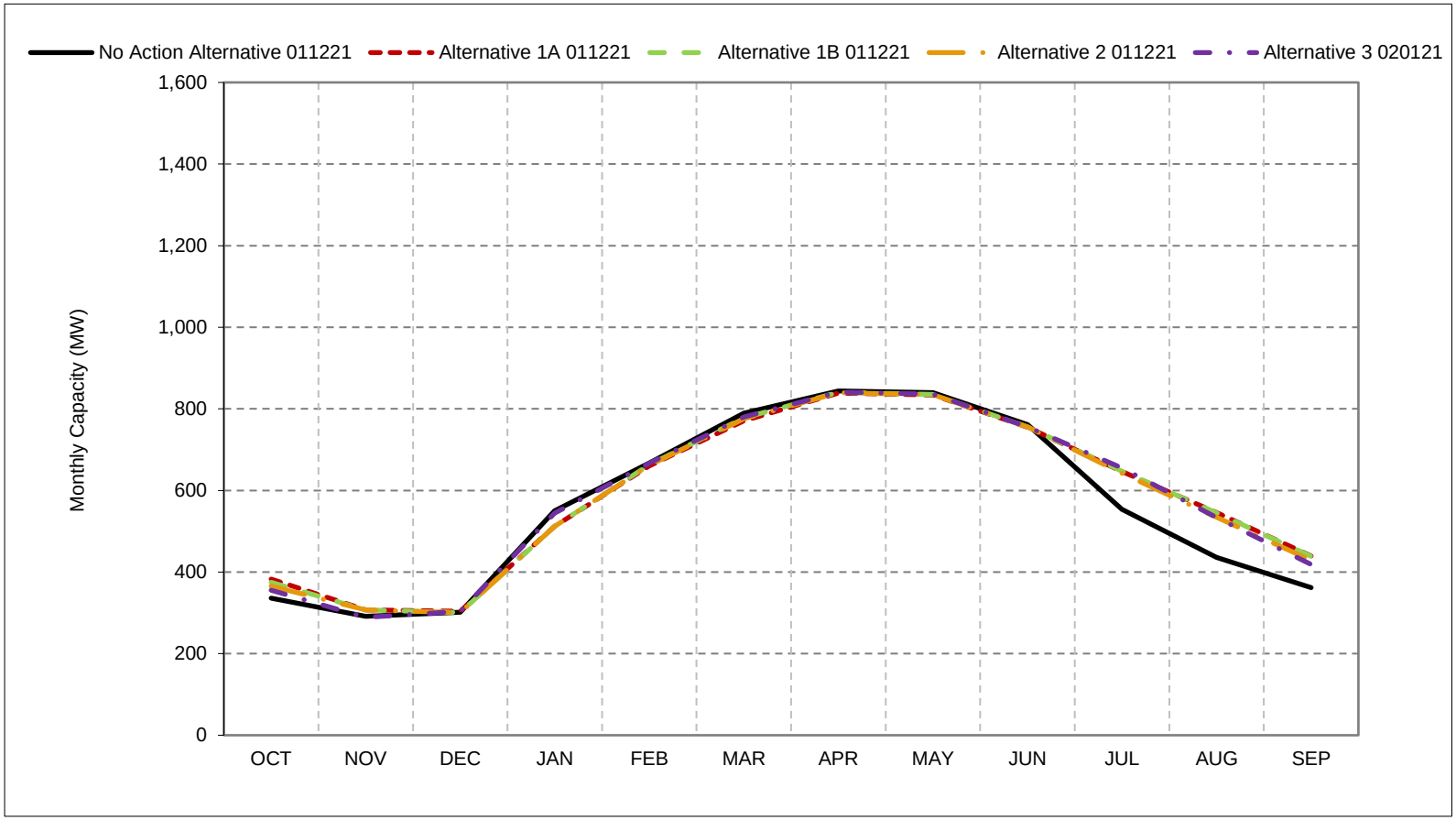


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6-6. SWP Facilities Total Capacity, Critical Year Average Capacity

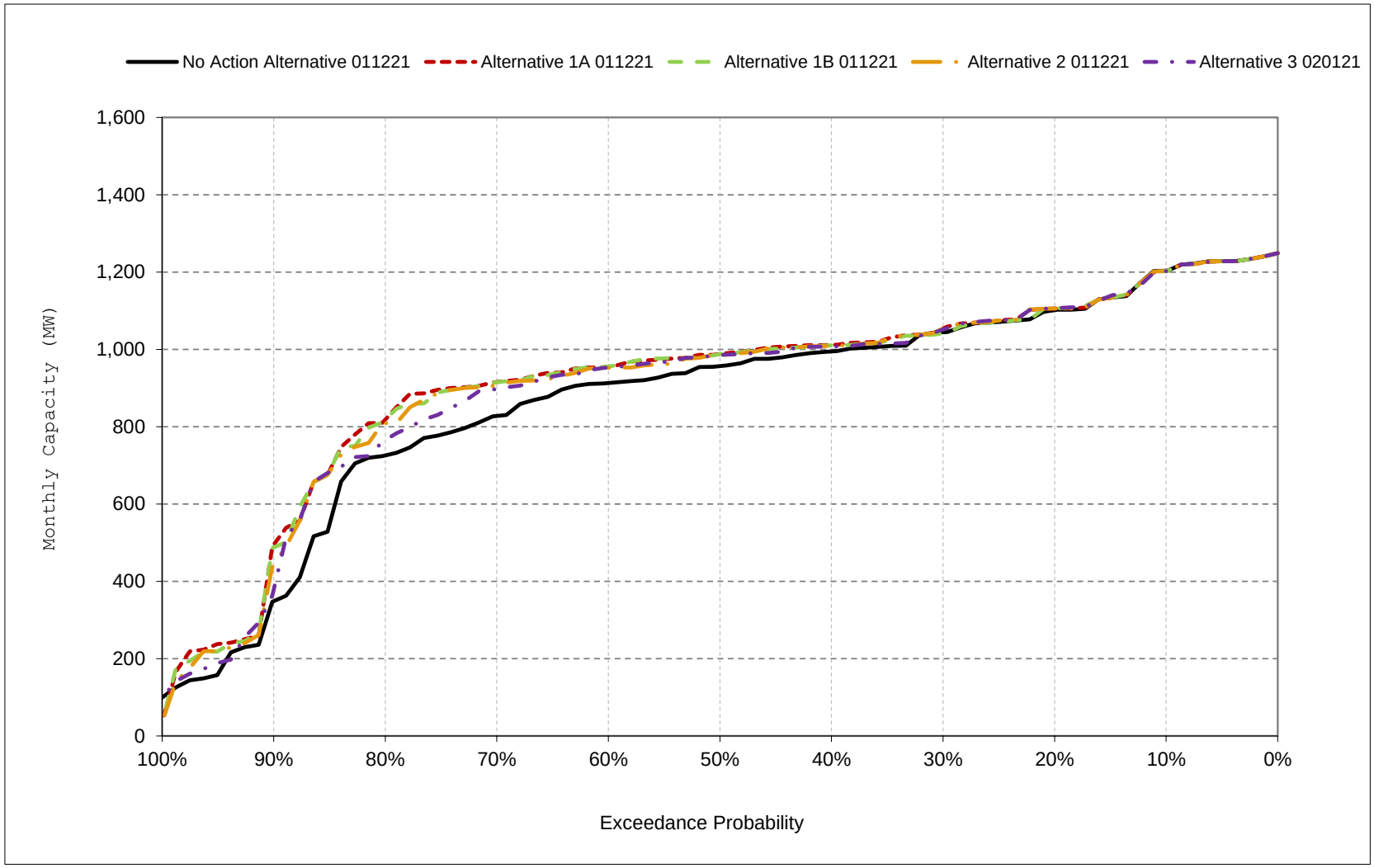


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

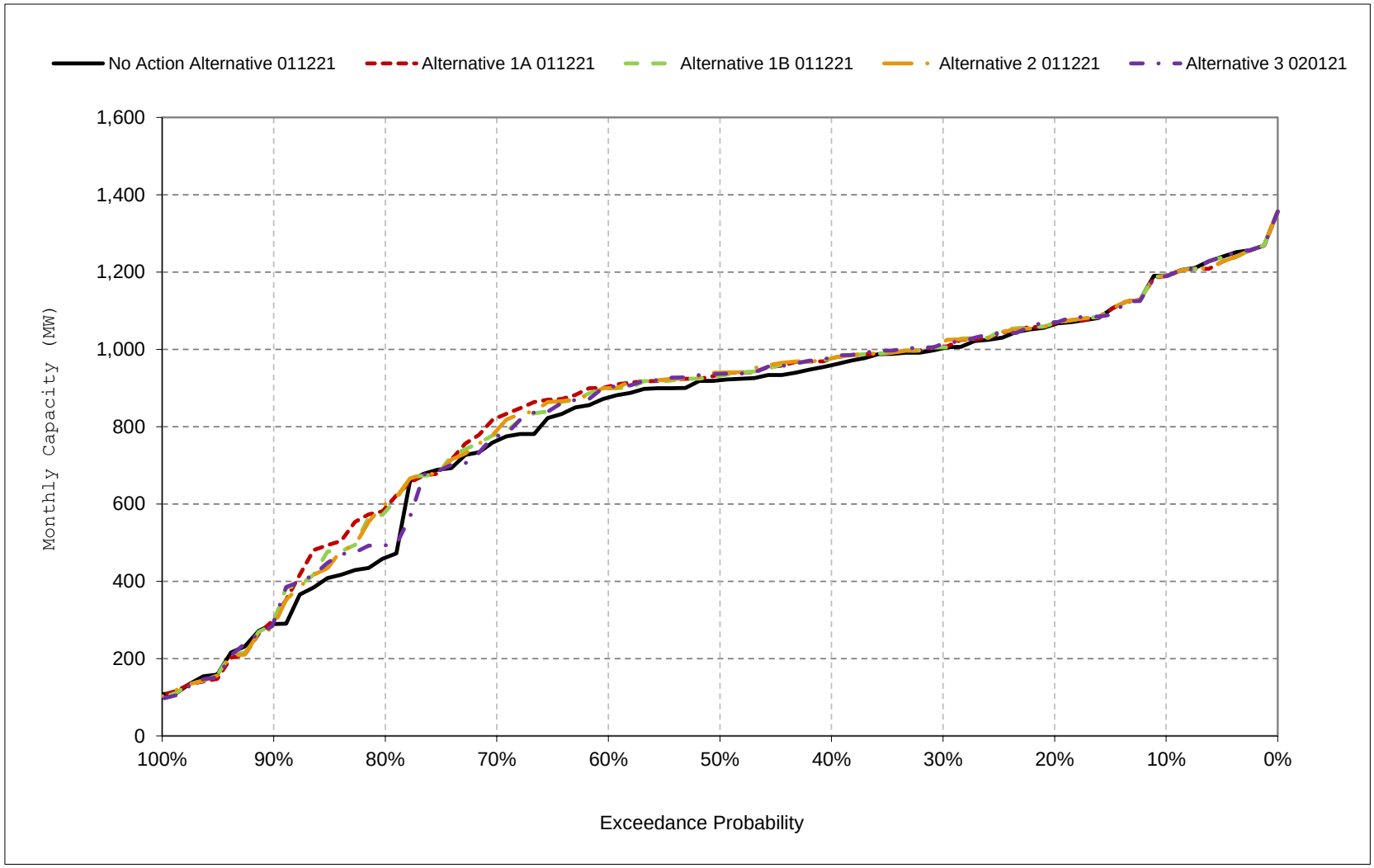
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6-7. SWP Facilities Total Capacity, October



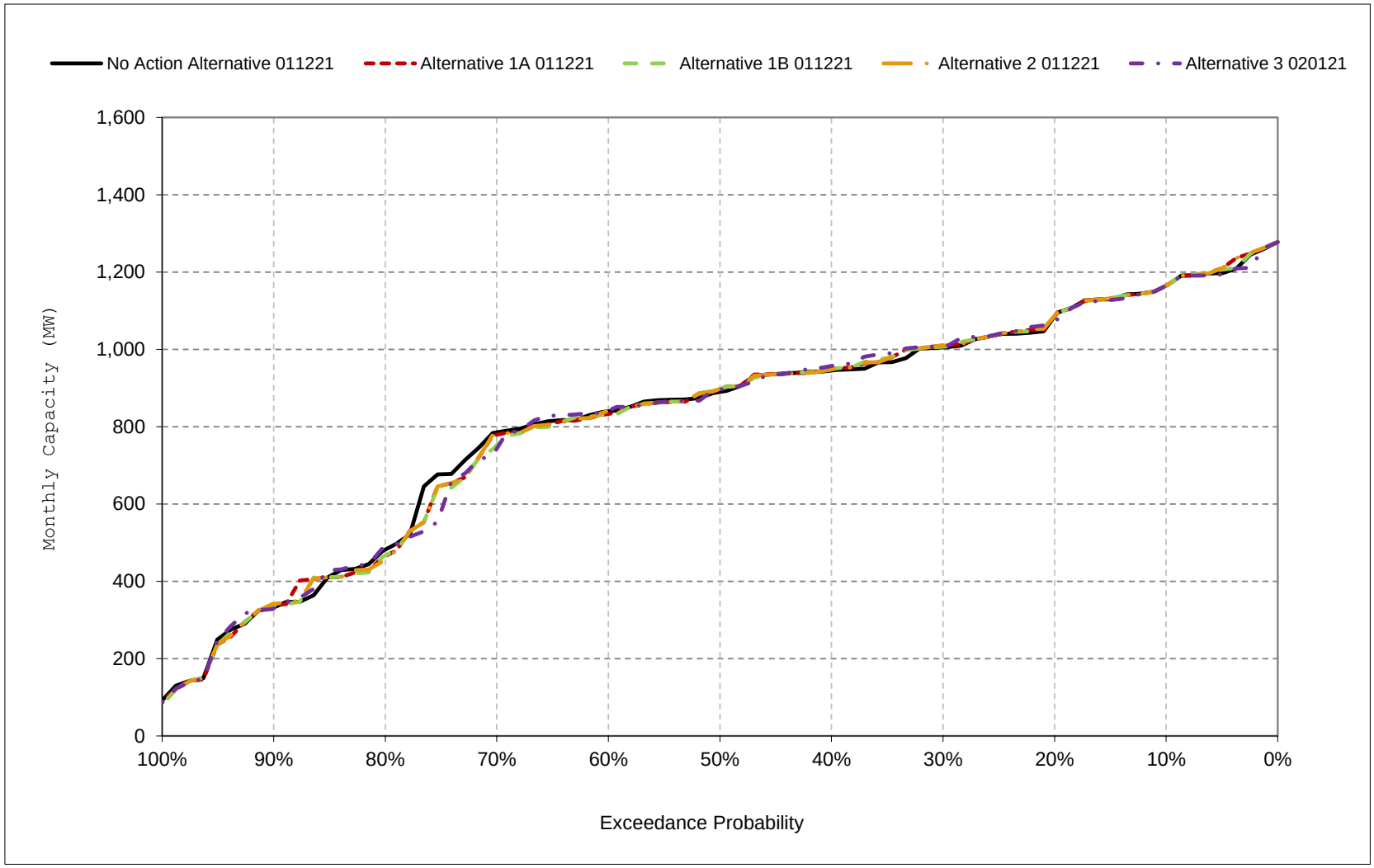
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6-8. SWP Facilities Total Capacity, November



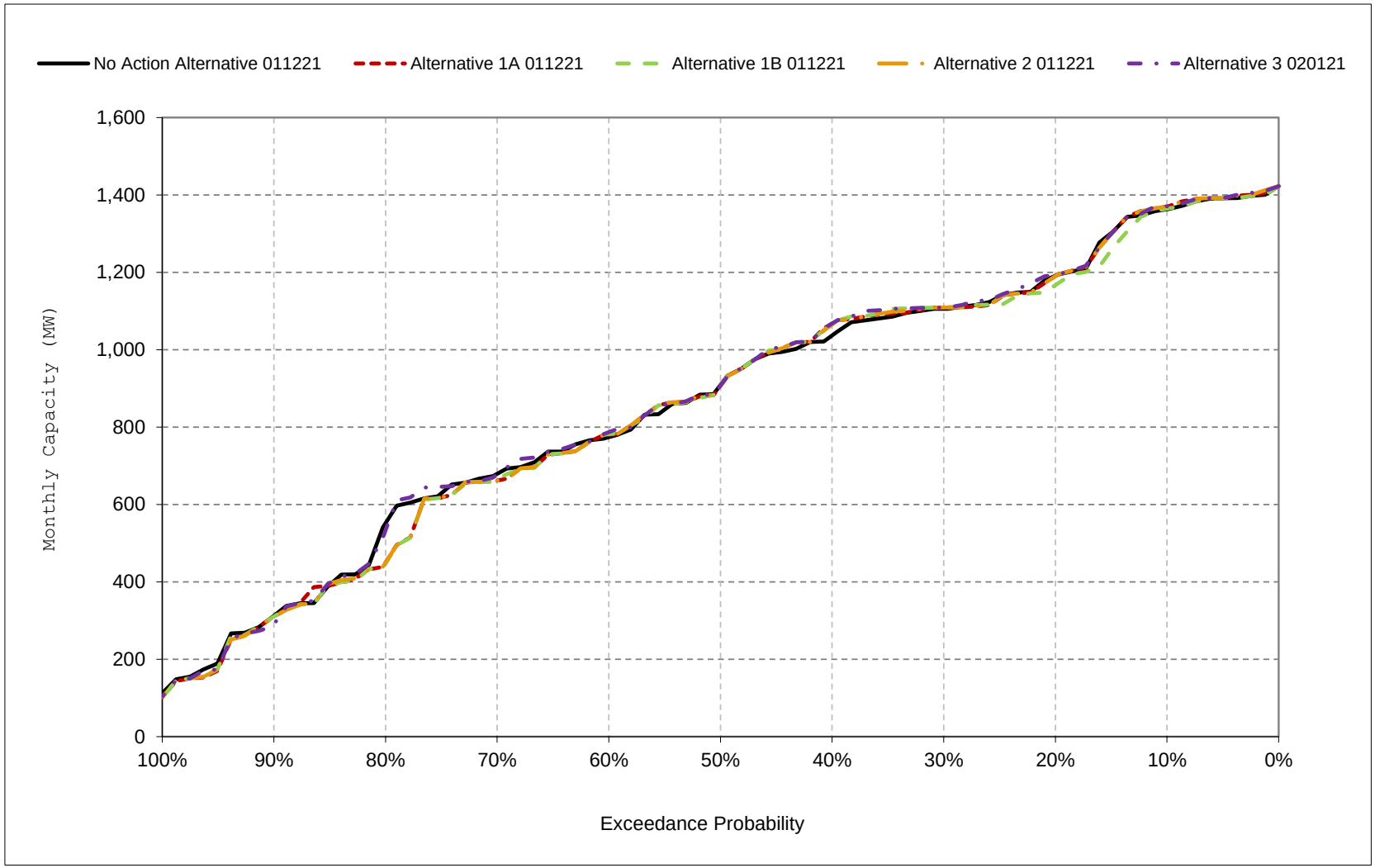
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6-9. SWP Facilities Total Capacity, December



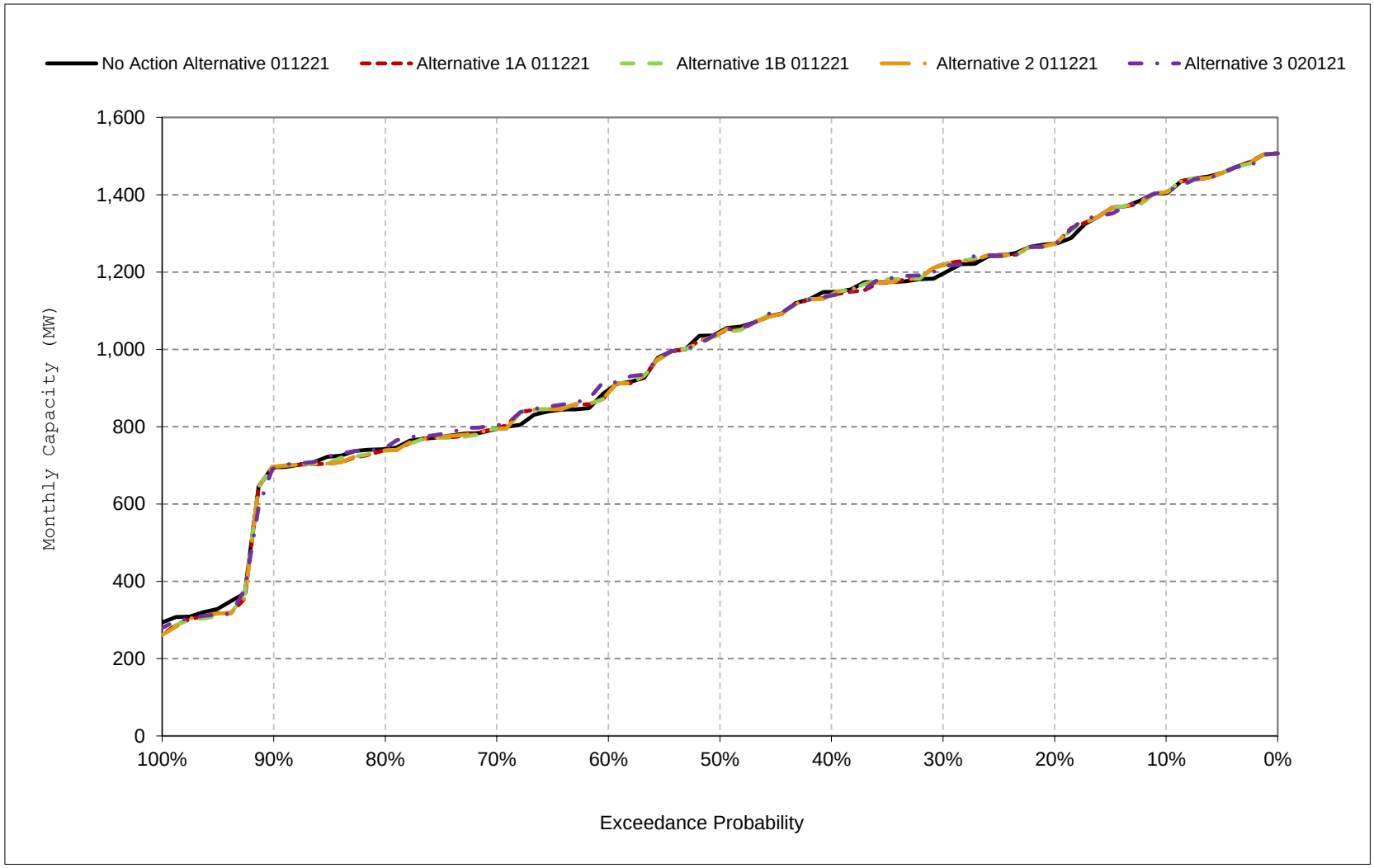
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6-10. SWP Facilities Total Capacity, January



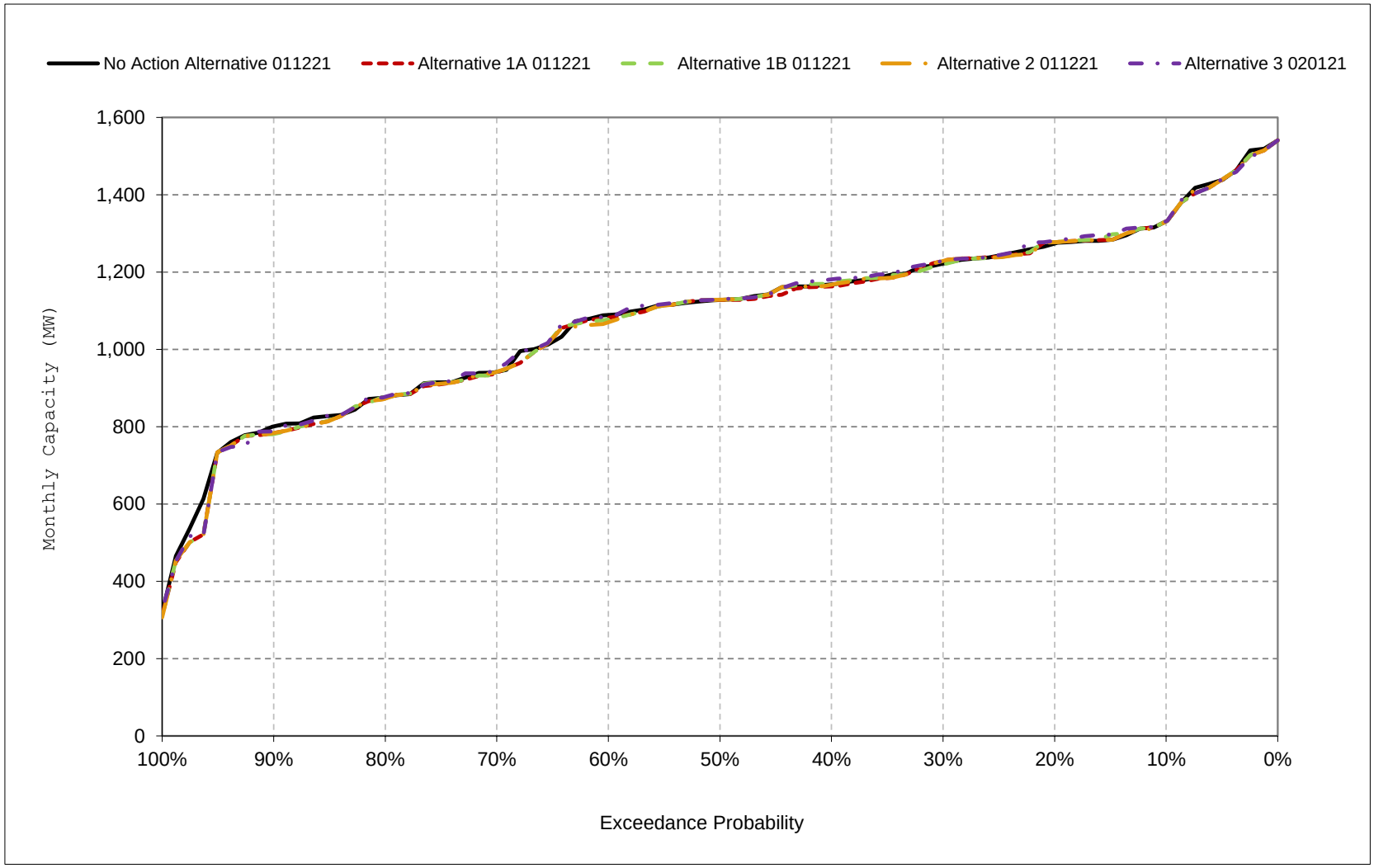
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6-11. SWP Facilities Total Capacity, February



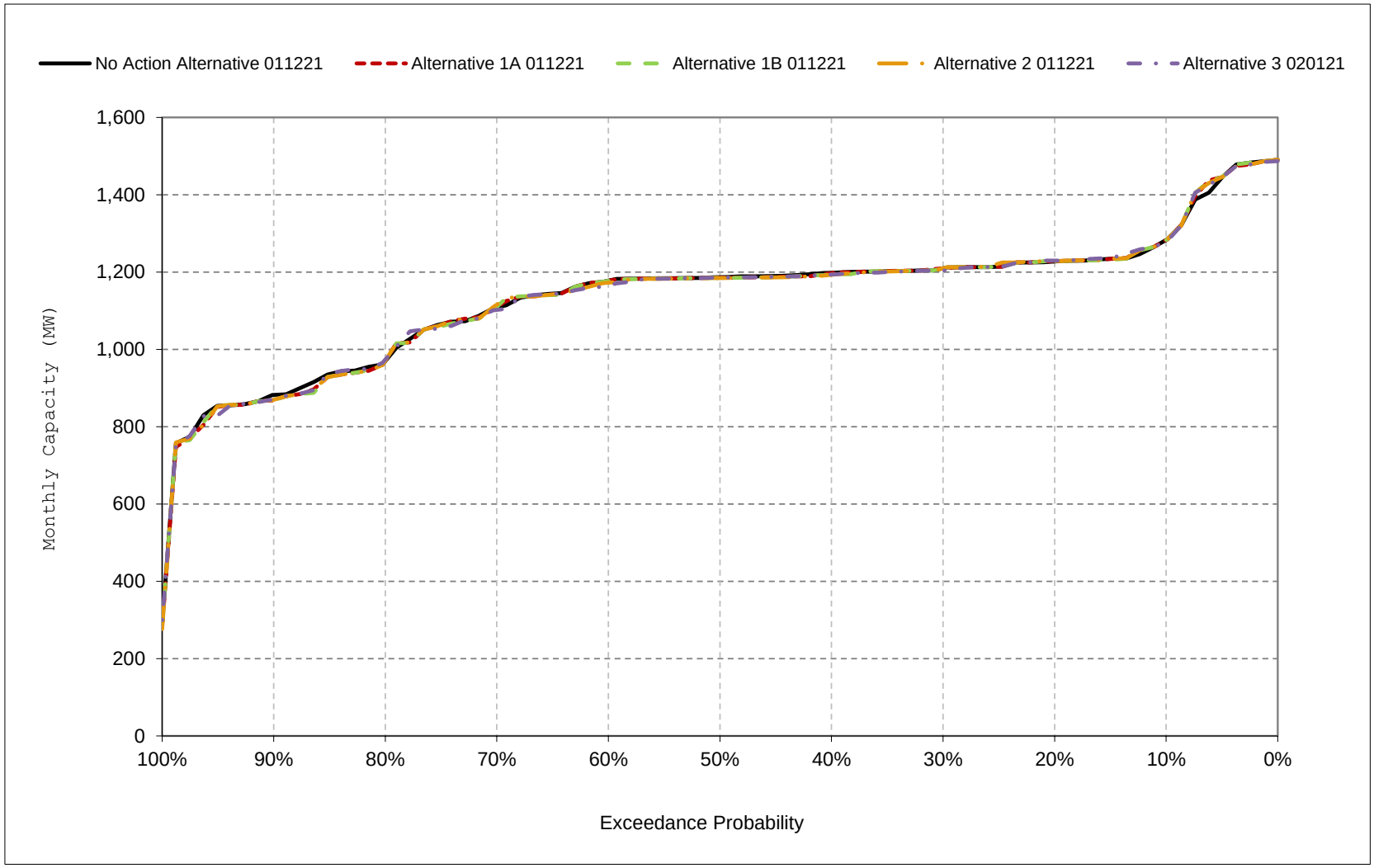
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6-12. SWP Facilities Total Capacity, March



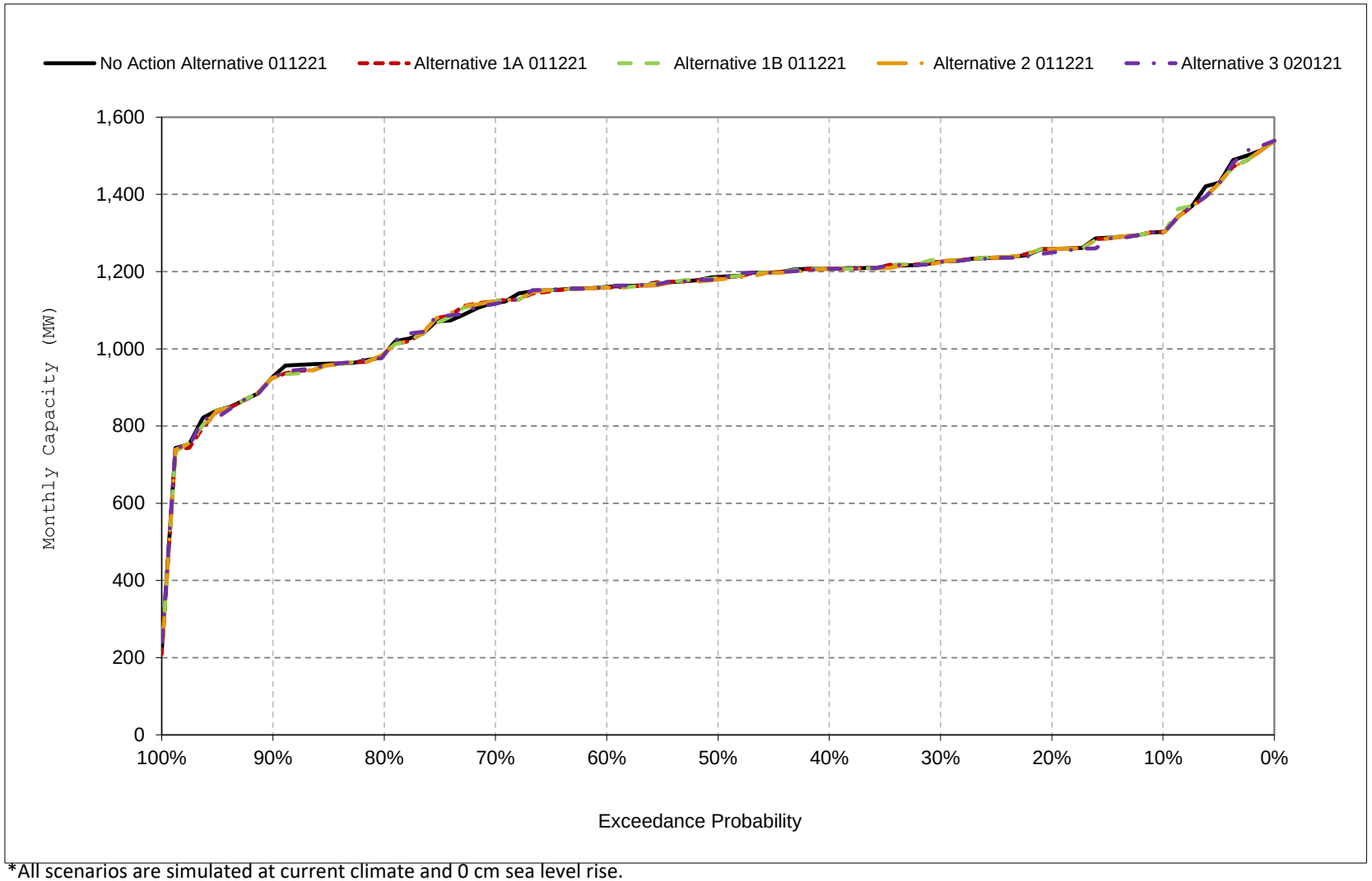
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6-13. SWP Facilities Total Capacity, April



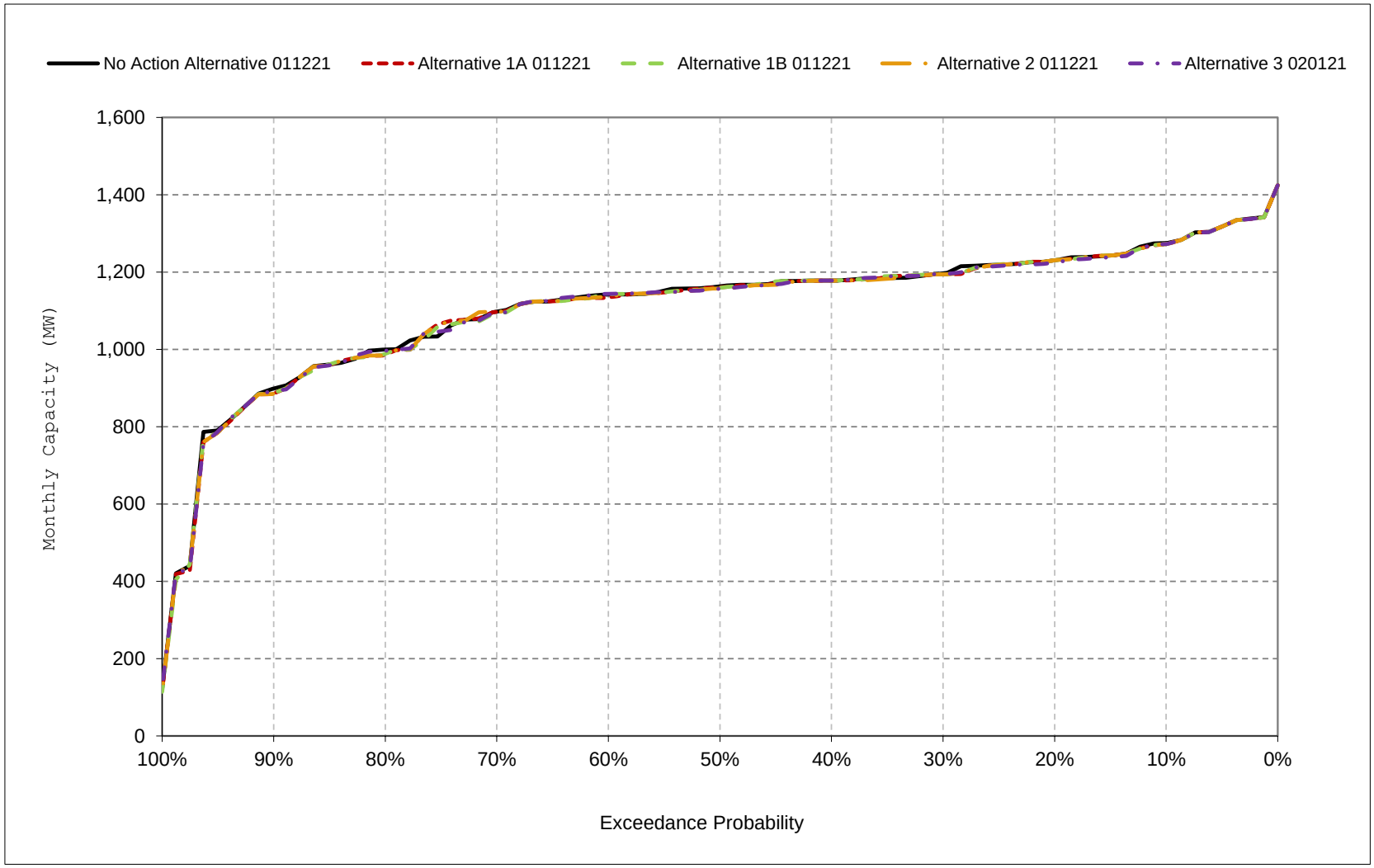
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6-14. SWP Facilities Total Capacity, May



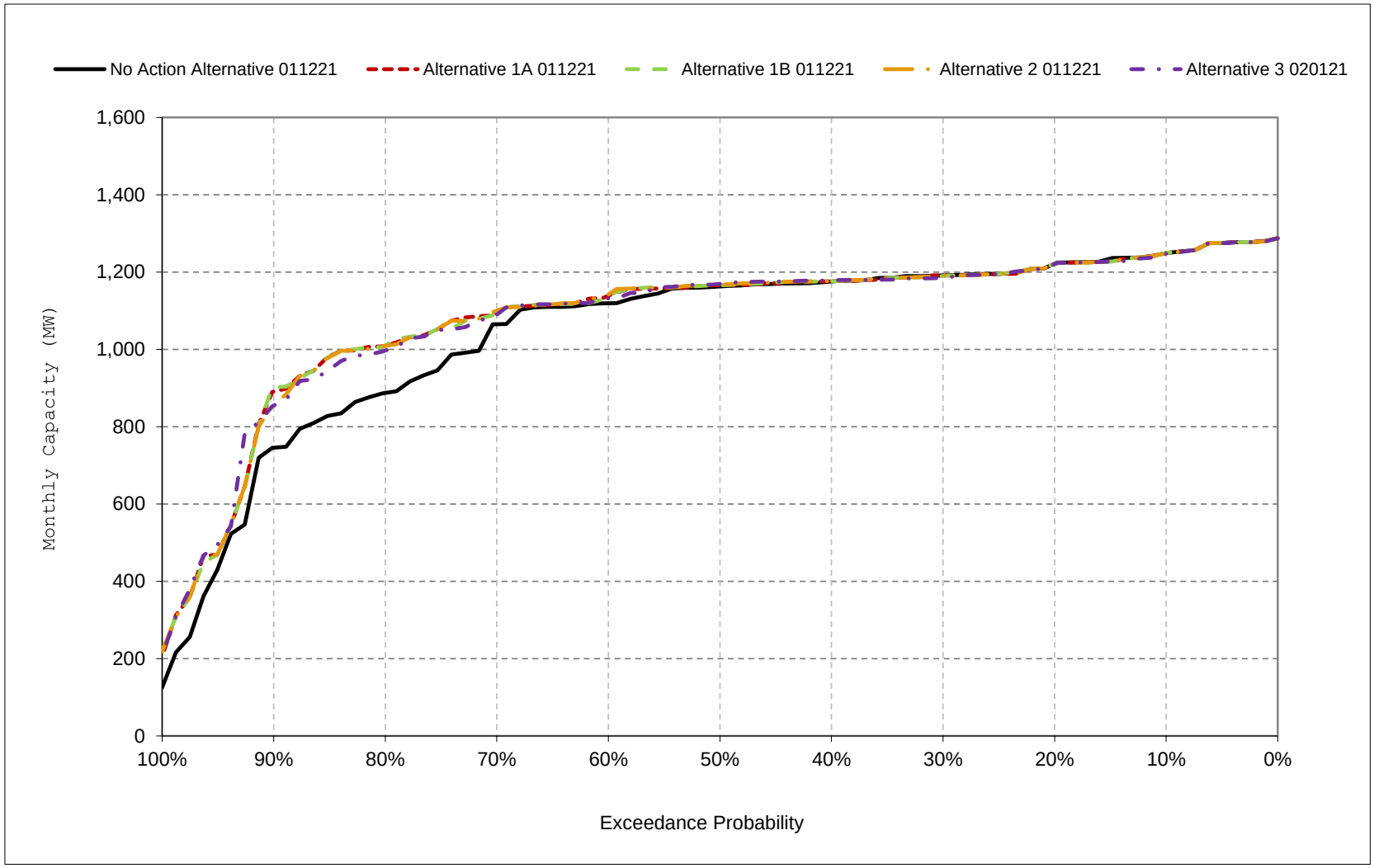
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6-15. SWP Facilities Total Capacity, June



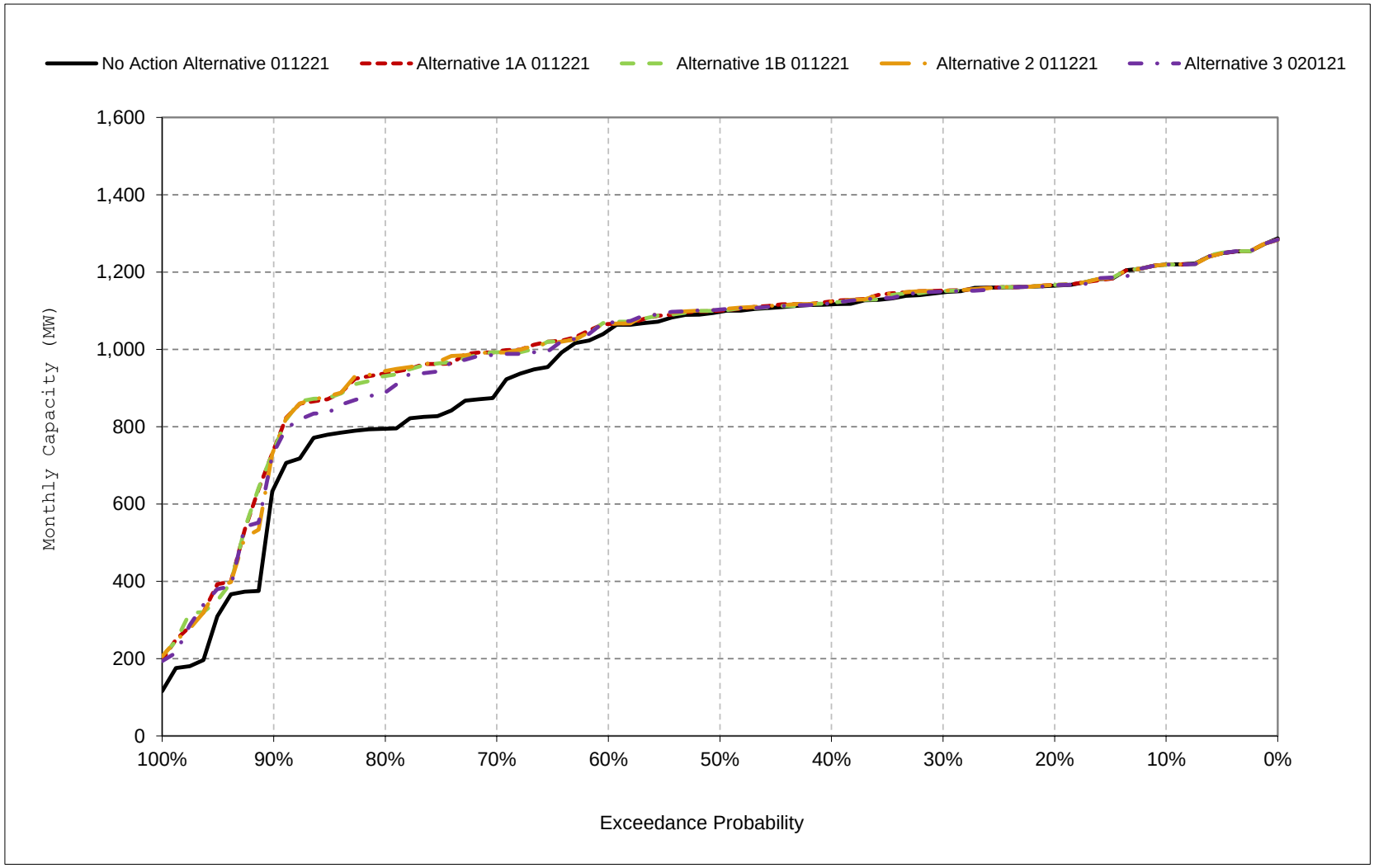
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6-16. SWP Facilities Total Capacity, July



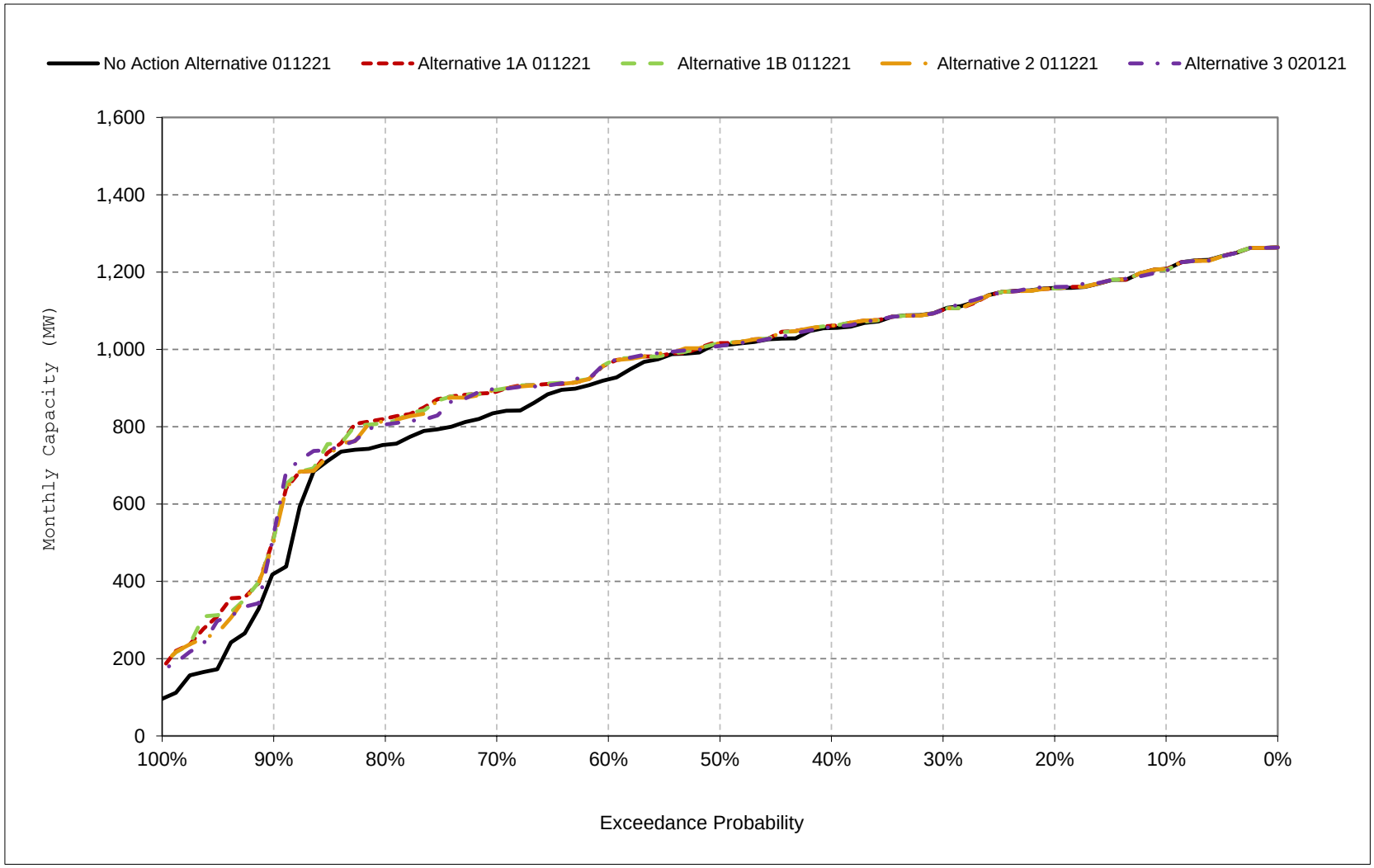
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6-17. SWP Facilities Total Capacity, August



*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6-18. SWP Facilities Total Capacity, September



*All scenarios are simulated at current climate and 0 cm sea level rise.

Table 7-1a. SWP Facilities Total Generation, No Action Alternative 011221, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	401	322	341	692	614	637	550	652	550	623	544	499
20%	383	305	310	311	515	526	394	519	472	609	522	491
30%	370	286	260	235	371	407	338	414	452	588	512	466
40%	340	280	249	198	230	326	300	370	439	566	480	445
50%	300	264	234	145	148	203	289	349	420	545	407	343
60%	279	244	218	116	110	170	277	338	391	462	365	280
70%	247	198	185	89	88	143	254	318	360	411	315	240
80%	197	167	151	60	73	109	219	264	344	342	237	187
90%	123	106	100	42	46	86	159	207	296	275	198	142
Long Term												
Full Simulation Period[a]	290	245	240	237	266	312	324	401	417	478	388	338
Water Year Types[b,c]												
Wet (32%)	372	318	318	457	511	577	477	573	494	505	442	470
Above Normal (15%)	375	298	270	216	277	342	302	413	418	583	522	495
Below Normal (17%)	300	268	245	163	187	187	281	355	415	594	516	316
Dry (22%)	221	190	196	98	97	130	247	303	401	437	264	201
Critical (15%)	121	92	106	80	68	123	181	215	272	244	170	126

Table 7-1b. SWP Facilities Total Generation, Alternative 1A 011221, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	405	333	340	692	613	631	544	650	539	621	544	499
20%	394	308	309	311	522	526	393	519	465	598	523	491
30%	378	300	261	243	373	402	337	414	443	578	516	467
40%	369	287	249	193	231	322	299	373	434	565	495	445
50%	352	280	237	154	146	195	288	349	414	537	418	344
60%	331	264	219	111	113	170	278	341	381	487	377	299
70%	308	243	188	89	88	142	251	319	359	418	353	279
80%	275	184	151	62	72	112	219	264	328	409	345	219
90%	148	105	104	40	45	82	160	208	265	342	263	183
Long Term												
Full Simulation Period[a]	322	261	242	238	266	310	324	401	407	495	416	356
Water Year Types[b,c]												
Wet (32%)	376	316	320	457	511	576	477	571	494	504	442	470
Above Normal (15%)	374	298	268	220	282	340	299	413	417	584	521	494
Below Normal (17%)	327	287	245	164	188	188	279	355	408	583	523	318
Dry (22%)	311	237	199	97	97	131	248	305	376	483	343	246
Critical (15%)	161	106	111	80	67	112	181	214	256	301	241	178

Table 7-1c. SWP Facilities Total Generation, Alternative 1A 011221 minus No Action Alternative 011221, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4	10	-1	0	-1	-6	-6	-2	-11	-2	0	0
20%	11	4	-1	0	7	0	-1	0	-7	-10	1	-1
30%	8	14	1	8	1	-6	-2	0	-9	-10	4	1
40%	28	8	0	-4	1	-3	-1	4	-5	-1	15	0
50%	52	16	3	8	-3	-8	-1	0	-7	-8	11	1
60%	52	20	1	-5	3	0	2	3	-10	25	12	19
70%	61	46	3	0	1	-1	-3	1	-1	7	37	39
80%	79	18	0	3	-1	3	0	0	-16	67	108	32
90%	25	-1	5	-2	-1	-4	0	1	-31	67	65	40
Long Term												
Full Simulation Period[a]	31	15	2	1	1	-2	0	0	-9	16	29	18
Water Year Types[b,c]												
Wet (32%)	3	-1	2	0	0	-1	1	-1	0	-1	0	0
Above Normal (15%)	-1	0	-2	4	5	-2	-3	0	-1	0	0	0
Below Normal (17%)	27	19	0	1	1	1	-2	0	-8	-11	7	2
Dry (22%)	91	47	3	-1	0	0	1	2	-26	45	78	45
Critical (15%)	40	14	5	0	0	-11	0	-1	-16	57	71	52

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 7-2a. SWP Facilities Total Generation, No Action Alternative 011221, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	401	322	341	692	614	637	550	652	550	623	544	499
20%	383	305	310	311	515	526	394	519	472	609	522	491
30%	370	286	260	235	371	407	338	414	452	588	512	466
40%	340	280	249	198	230	326	300	370	439	566	480	445
50%	300	264	234	145	148	203	289	349	420	545	407	343
60%	279	244	218	116	110	170	277	338	391	462	365	280
70%	247	198	185	89	88	143	254	318	360	411	315	240
80%	197	167	151	60	73	109	219	264	344	342	237	187
90%	123	106	100	42	46	86	159	207	296	275	198	142
Long Term												
Full Simulation Period[a]	290	245	240	237	266	312	324	401	417	478	388	338
Water Year Types[b,c]												
Wet (32%)	372	318	318	457	511	577	477	573	494	505	442	470
Above Normal (15%)	375	298	270	216	277	342	302	413	418	583	522	495
Below Normal (17%)	300	268	245	163	187	187	281	355	415	594	516	316
Dry (22%)	221	190	196	98	97	130	247	303	401	437	264	201
Critical (15%)	121	92	106	80	68	123	181	215	272	244	170	126

Table 7-2b. SWP Facilities Total Generation, Alternative 1B 011221, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	405	331	342	685	613	631	554	650	539	620	545	497
20%	391	308	309	311	524	526	393	519	464	603	523	491
30%	378	300	260	243	372	398	337	414	443	578	516	466
40%	367	283	250	193	232	323	297	374	435	564	496	446
50%	348	275	234	155	141	210	286	352	415	536	420	355
60%	323	262	221	110	113	172	273	338	371	488	374	298
70%	307	238	188	89	88	137	251	319	353	420	352	278
80%	276	180	155	60	72	110	220	264	328	403	342	209
90%	151	106	105	40	45	82	160	209	266	342	263	169
Long Term												
Full Simulation Period[a]	319	258	242	236	266	310	324	400	407	495	416	354
Water Year Types[b,c]												
Wet (32%)	376	317	319	450	509	575	478	572	494	504	443	470
Above Normal (15%)	376	296	268	221	282	339	300	412	415	583	522	492
Below Normal (17%)	320	288	243	164	188	191	276	356	409	584	523	321
Dry (22%)	308	225	199	97	97	131	248	303	374	483	342	240
Critical (15%)	155	107	112	79	68	117	182	215	258	302	241	178

Table 7-2c. SWP Facilities Total Generation, Alternative 1B 011221 minus No Action Alternative 011221, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4	9	1	-7	-1	-6	4	-2	-11	-3	1	-2
20%	8	3	-1	0	10	0	-1	0	-8	-6	1	0
30%	8	14	0	7	1	-10	-1	0	-9	-9	4	0
40%	27	3	1	-4	1	-3	-2	4	-4	-3	16	1
50%	47	12	0	9	-8	6	-3	3	-5	-9	13	12
60%	44	18	3	-6	3	2	-3	0	-21	26	9	18
70%	60	41	3	0	1	-6	-2	0	-7	9	36	38
80%	79	13	5	0	-1	2	1	-1	-16	61	105	22
90%	28	0	5	-2	0	-4	0	2	-29	67	65	26
Long Term												
Full Simulation Period[a]	29	13	1	-1	0	-1	0	0	-10	17	29	17
Water Year Types[b,c]												
Wet (32%)	3	0	1	-8	-2	-2	2	-1	0	0	0	0
Above Normal (15%)	1	-2	-2	6	5	-3	-2	-1	-3	-1	1	-3
Below Normal (17%)	19	20	-2	2	1	4	-5	0	-7	-10	7	6
Dry (22%)	88	34	3	0	0	0	1	0	-28	46	77	39
Critical (15%)	34	15	6	0	0	-7	0	0	-15	58	70	52

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 7-3a. SWP Facilities Total Generation, No Action Alternative 011221, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	401	322	341	692	614	637	550	652	550	623	544	499
20%	383	305	310	311	515	526	394	519	472	609	522	491
30%	370	286	260	235	371	407	338	414	452	588	512	466
40%	340	280	249	198	230	326	300	370	439	566	480	445
50%	300	264	234	145	148	203	289	349	420	545	407	343
60%	279	244	218	116	110	170	277	338	391	462	365	280
70%	247	198	185	89	88	143	254	318	360	411	315	240
80%	197	167	151	60	73	109	219	264	344	342	237	187
90%	123	106	100	42	46	86	159	207	296	275	198	142
Long Term												
Full Simulation Period[a]	290	245	240	237	266	312	324	401	417	478	388	338
Water Year Types[b,c]												
Wet (32%)	372	318	318	457	511	577	477	573	494	505	442	470
Above Normal (15%)	375	298	270	216	277	342	302	413	418	583	522	495
Below Normal (17%)	300	268	245	163	187	187	281	355	415	594	516	316
Dry (22%)	221	190	196	98	97	130	247	303	401	437	264	201
Critical (15%)	121	92	106	80	68	123	181	215	272	244	170	126

Table 7-3b. SWP Facilities Total Generation, Alternative 2 011221, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	404	341	340	692	614	631	554	650	539	621	544	498
20%	391	308	309	311	522	523	393	519	464	599	523	491
30%	375	300	263	242	373	402	336	414	443	579	516	467
40%	366	284	249	193	231	322	296	373	433	565	495	445
50%	352	273	236	153	146	206	286	349	416	543	418	344
60%	327	263	218	111	113	169	277	339	381	487	375	298
70%	303	238	189	89	87	137	251	316	354	418	353	280
80%	266	176	151	60	72	112	220	265	327	405	345	223
90%	149	105	104	40	45	82	160	208	266	322	262	164
Long Term												
Full Simulation Period[a]	316	257	243	238	267	310	324	400	408	495	416	354
Water Year Types[b,c]												
Wet (32%)	375	317	320	457	512	576	478	571	493	504	442	470
Above Normal (15%)	374	297	268	221	282	337	301	413	418	584	521	494
Below Normal (17%)	327	291	245	164	188	188	276	352	406	584	523	319
Dry (22%)	294	220	199	97	96	131	248	304	378	483	345	243
Critical (15%)	148	106	111	79	68	116	181	215	258	299	233	171

Table 7-3c. SWP Facilities Total Generation, Alternative 2 011221 minus No Action Alternative 011221, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3	19	-1	0	0	-6	5	-2	-11	-2	0	-1
20%	8	3	-1	1	7	-3	-1	0	-8	-10	1	0
30%	6	14	3	7	1	-6	-2	0	-9	-9	4	1
40%	25	4	0	-4	1	-3	-3	4	-5	-1	15	0
50%	52	9	2	8	-3	3	-3	0	-5	-3	11	1
60%	48	19	0	-5	3	-2	0	1	-10	25	11	18
70%	56	40	4	0	0	-6	-3	-2	-6	7	37	39
80%	69	9	0	0	-1	3	1	0	-18	62	109	36
90%	26	-1	5	-2	0	-4	0	1	-30	48	64	22
Long Term												
Full Simulation Period[a]	25	12	2	1	1	-2	0	-1	-9	16	28	16
Water Year Types[b,c]												
Wet (32%)	3	-1	2	0	1	-1	1	-1	0	-1	0	0
Above Normal (15%)	-1	0	-2	5	5	-5	-1	0	0	0	-1	0
Below Normal (17%)	26	23	1	1	1	1	-5	-3	-10	-9	7	3
Dry (22%)	74	29	4	-1	-1	0	1	2	-23	45	81	42
Critical (15%)	27	14	5	-1	0	-8	0	-1	-14	55	63	45

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 7-4a. SWP Facilities Total Generation, No Action Alternative 011221, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	401	322	341	692	614	637	550	652	550	623	544	499
20%	383	305	310	311	515	526	394	519	472	609	522	491
30%	370	286	260	235	371	407	338	414	452	588	512	466
40%	340	280	249	198	230	326	300	370	439	566	480	445
50%	300	264	234	145	148	203	289	349	420	545	407	343
60%	279	244	218	116	110	170	277	338	391	462	365	280
70%	247	198	185	89	88	143	254	318	360	411	315	240
80%	197	167	151	60	73	109	219	264	344	342	237	187
90%	123	106	100	42	46	86	159	207	296	275	198	142
Long Term												
Full Simulation Period[a]	290	245	240	237	266	312	324	401	417	478	388	338
Water Year Types[b,c]												
Wet (32%)	372	318	318	457	511	577	477	573	494	505	442	470
Above Normal (15%)	375	298	270	216	277	342	302	413	418	583	522	495
Below Normal (17%)	300	268	245	163	187	187	281	355	415	594	516	316
Dry (22%)	221	190	196	98	97	130	247	303	401	437	264	201
Critical (15%)	121	92	106	80	68	123	181	215	272	244	170	126

Table 7-4b. SWP Facilities Total Generation, Alternative 3 020121, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	404	331	340	692	614	640	550	650	531	617	545	495
20%	384	307	310	312	524	526	394	517	468	601	526	491
30%	373	300	260	245	374	413	338	414	449	580	516	461
40%	366	281	249	193	230	322	295	371	433	564	496	445
50%	335	270	234	155	146	213	284	349	416	535	419	330
60%	313	260	211	114	116	173	271	338	378	482	372	303
70%	302	226	186	90	90	141	251	315	356	429	354	278
80%	237	171	154	60	73	108	222	264	327	397	320	200
90%	130	105	104	40	52	84	159	202	263	320	235	163
Long Term												
Full Simulation Period[a]	311	254	241	240	267	312	323	399	408	493	411	350
Water Year Types[b,c]												
Wet (32%)	376	317	317	458	511	577	478	573	493	504	442	468
Above Normal (15%)	376	297	273	225	279	340	301	413	417	577	523	493
Below Normal (17%)	316	286	238	164	189	197	272	350	407	585	523	316
Dry (22%)	283	211	198	99	100	131	248	300	382	482	325	235
Critical (15%)	138	104	112	79	70	118	180	213	258	298	232	164

Table 7-4c. SWP Facilities Total Generation, Alternative 3 020121 minus No Action Alternative 011221, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3	9	-1	0	0	3	0	-2	-19	-6	1	-4
20%	1	2	0	1	9	0	0	-2	-4	-8	4	0
30%	4	14	0	9	3	6	0	0	-3	-8	4	-4
40%	25	2	0	-4	0	-4	-5	1	-5	-2	16	0
50%	35	6	0	9	-3	10	-5	0	-4	-10	12	-13
60%	34	16	-7	-2	6	2	-6	-1	-13	20	7	22
70%	55	28	2	0	2	-2	-2	-4	-4	18	39	38
80%	41	4	3	0	0	-1	3	0	-18	55	83	13
90%	7	-1	4	-1	6	-1	0	-4	-33	46	37	21
Long Term												
Full Simulation Period[a]	20	9	1	2	2	1	-1	-2	-8	15	23	12
Water Year Types[b,c]												
Wet (32%)	4	0	-1	1	0	0	1	0	-1	-1	-1	-2
Above Normal (15%)	2	-1	4	10	3	-1	-1	0	-1	-7	1	-2
Below Normal (17%)	16	18	-6	1	2	10	-9	-5	-8	-9	7	0
Dry (22%)	63	20	2	1	3	0	1	-3	-20	45	60	34
Critical (15%)	17	12	6	-1	2	-6	-1	-2	-14	54	61	38

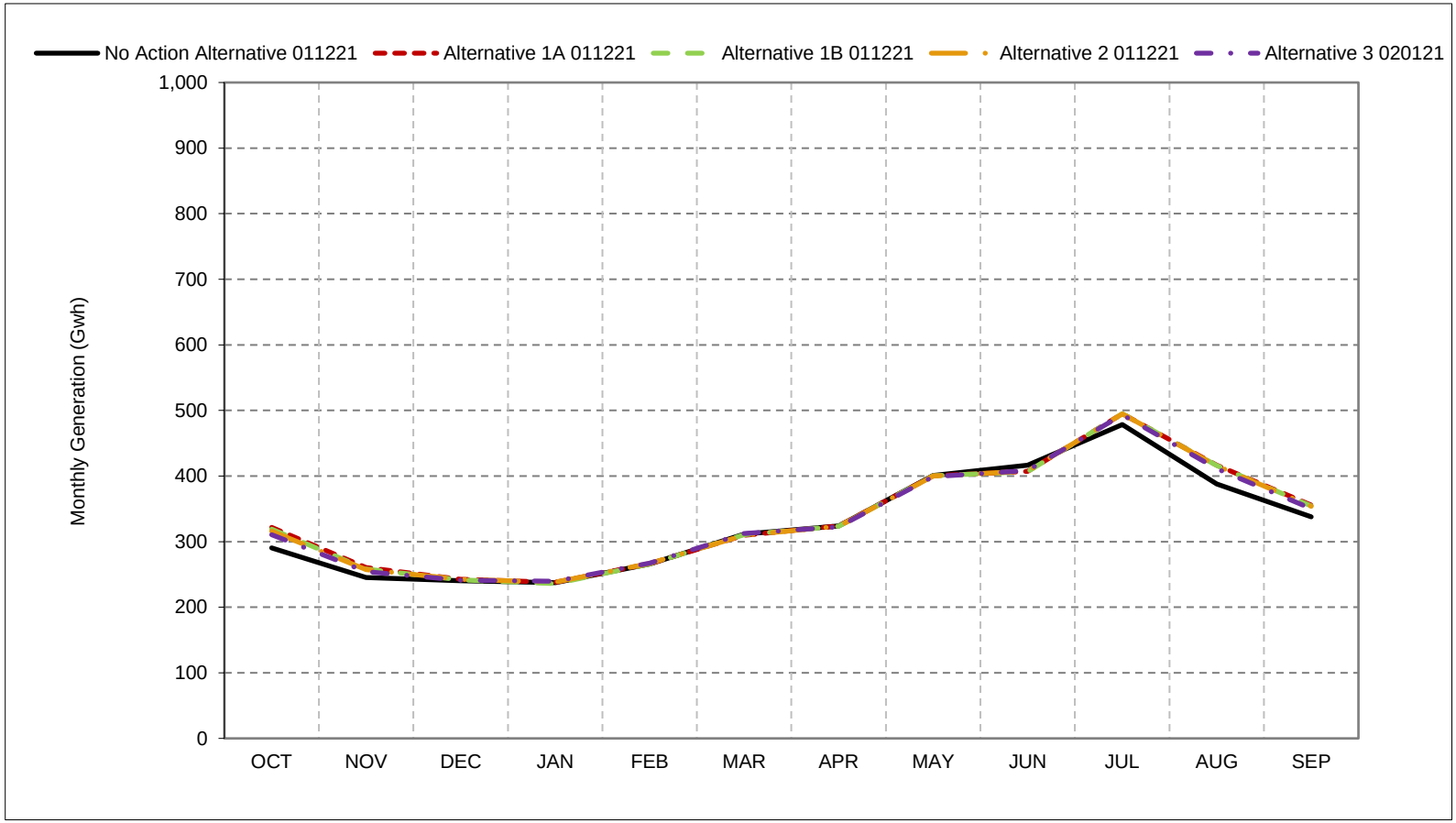
a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 7-1. SWP Facilities Total Generation, Long-Term Average Generation

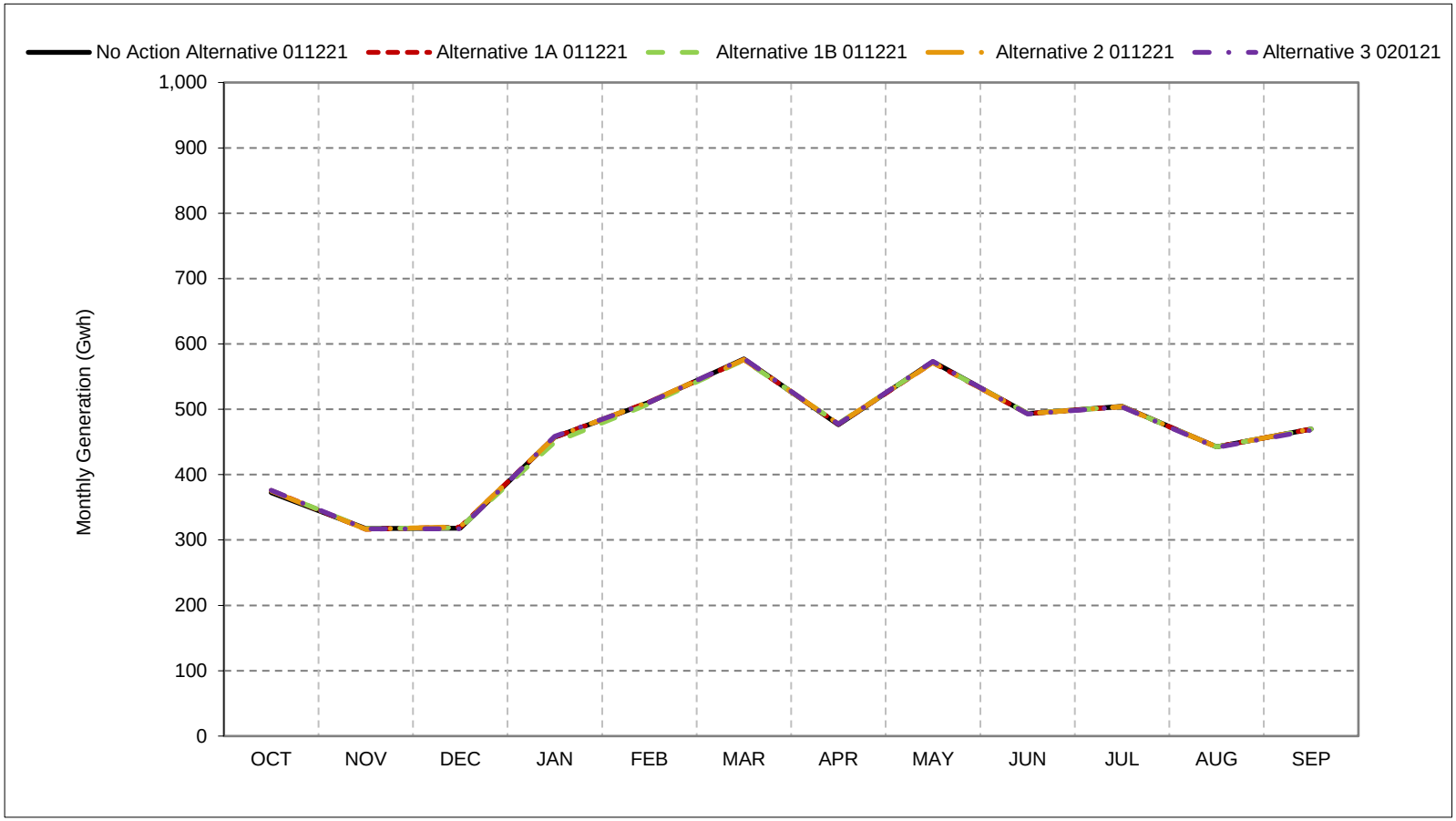


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 7-2. SWP Facilities Total Generation, Wet Year Average Generation

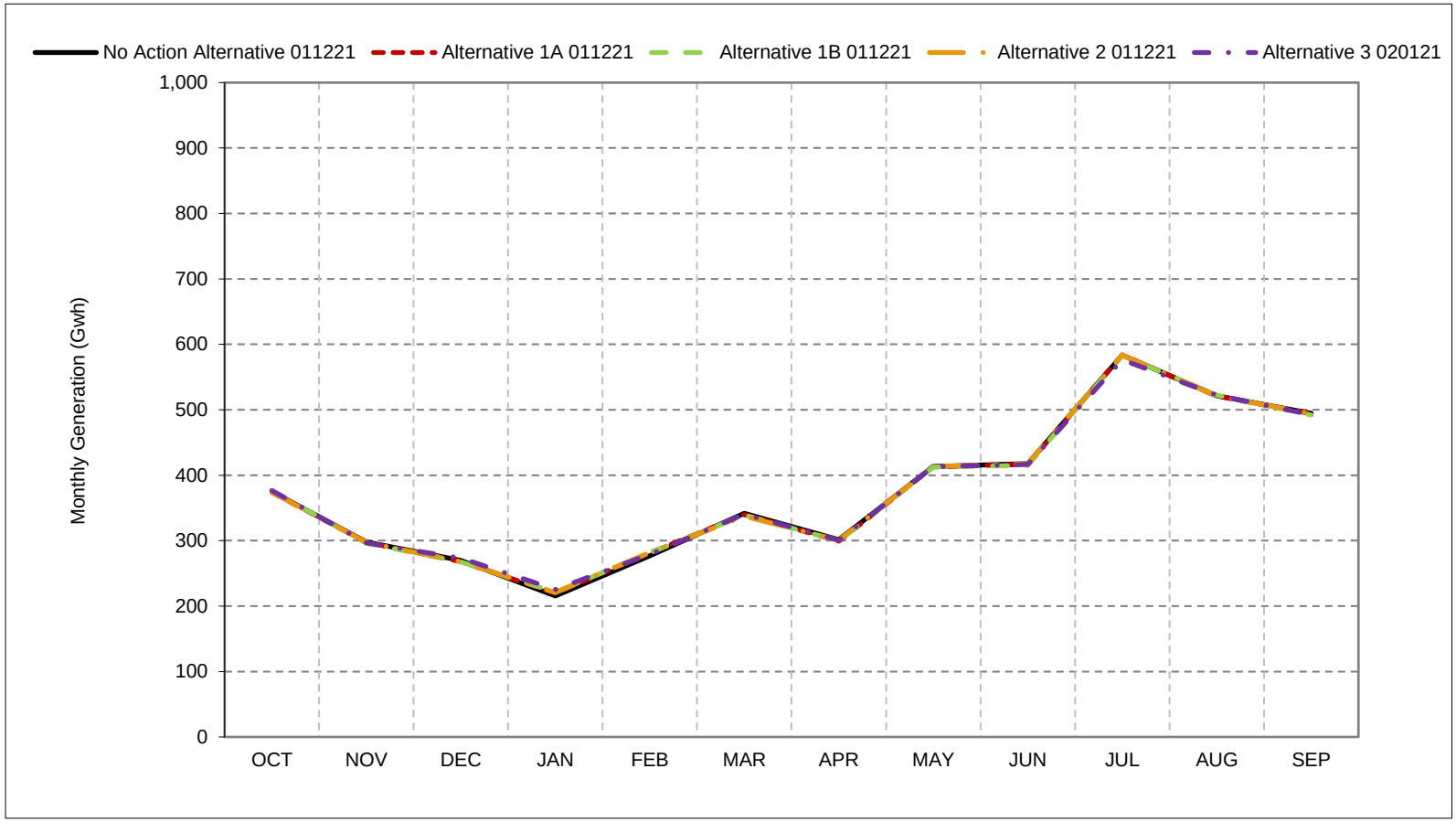


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 7-3. SWP Facilities Total Generation, Above Normal Year Average Generation

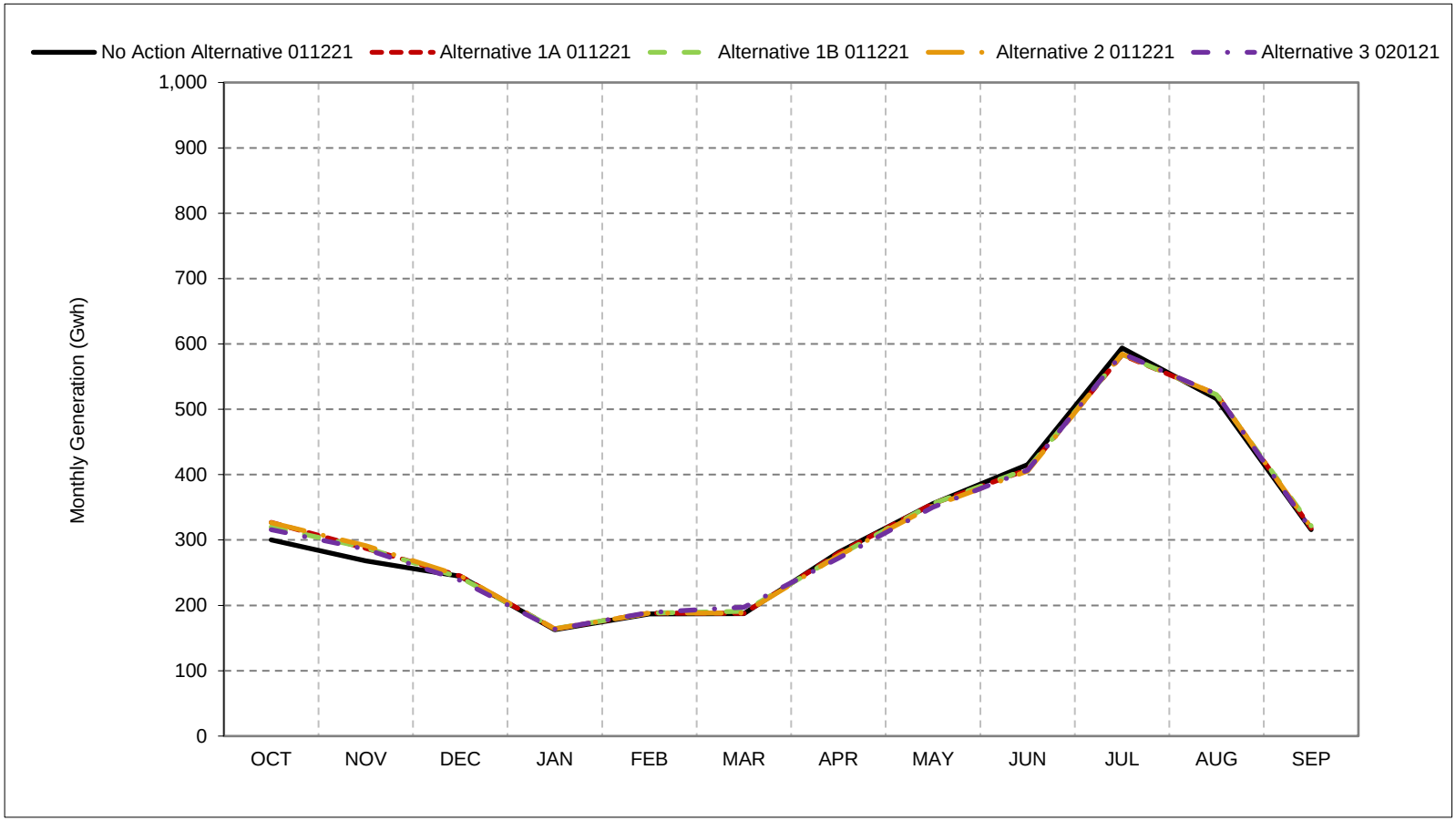


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 7-4. SWP Facilities Total Generation, Below Normal Year Average Generation

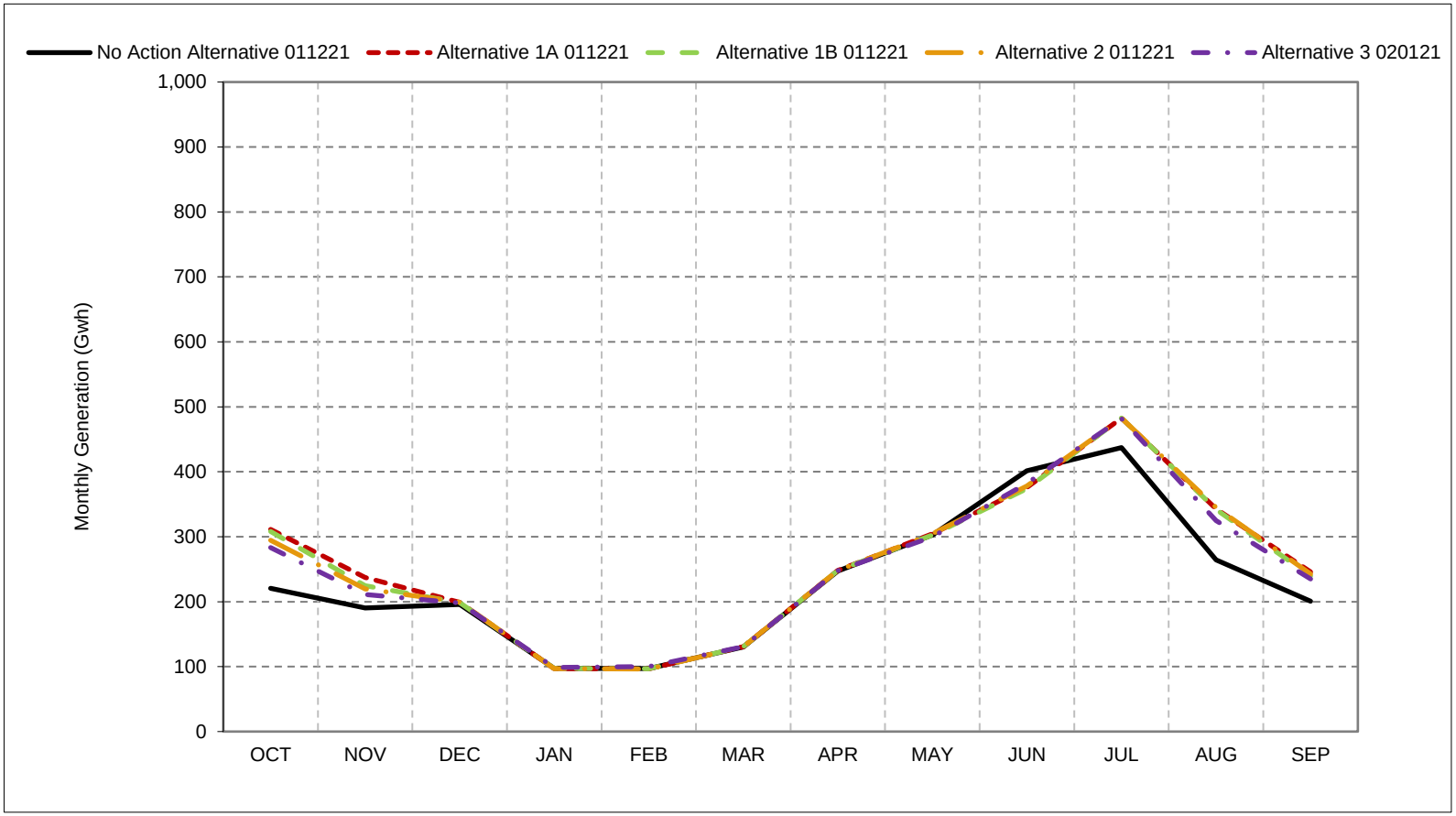


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 7-5. SWP Facilities Total Generation, Dry Year Average Generation

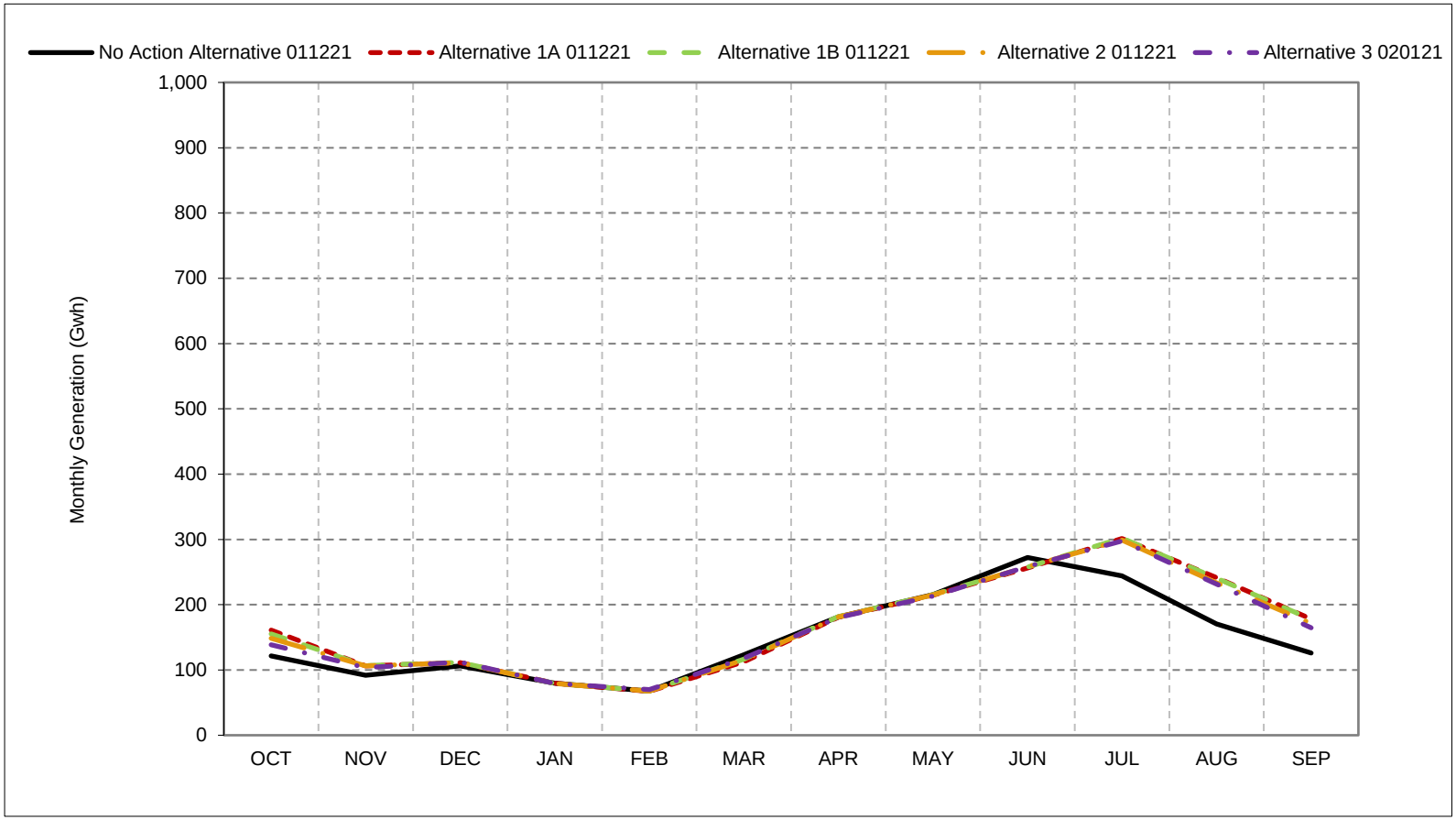


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 7-6. SWP Facilities Total Generation, Critical Year Average Generation

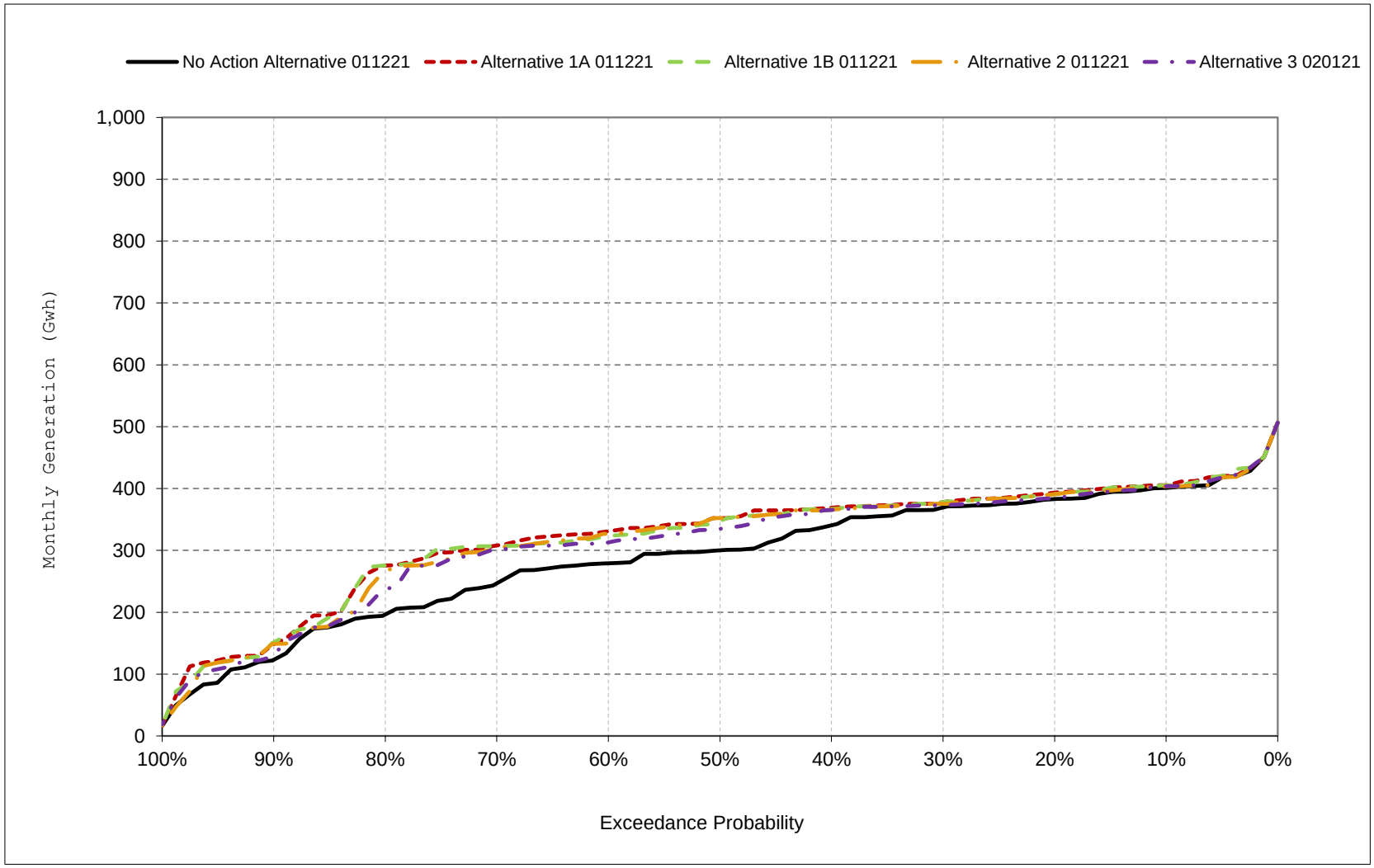


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

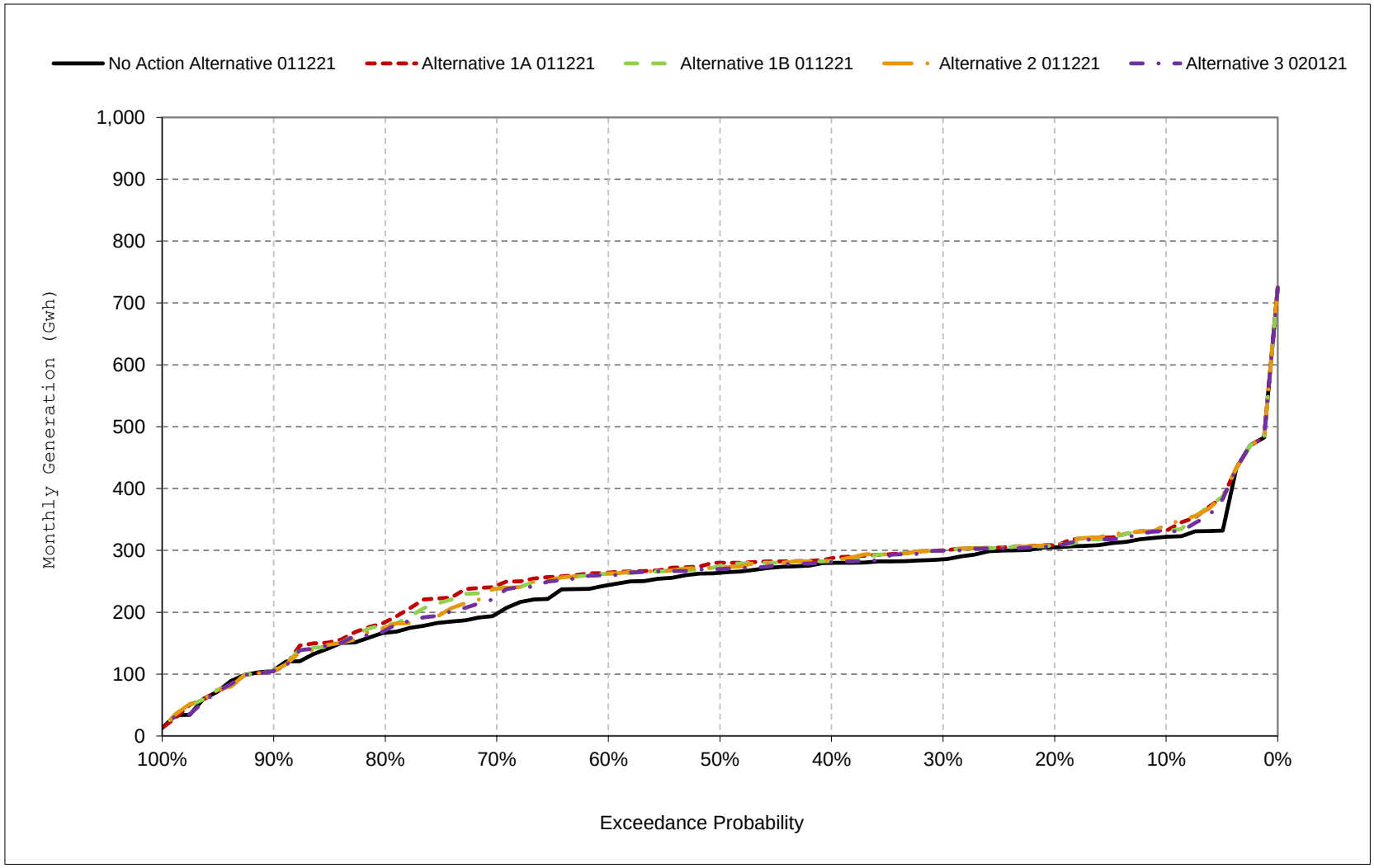
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 7-7. SWP Facilities Total Generation, October



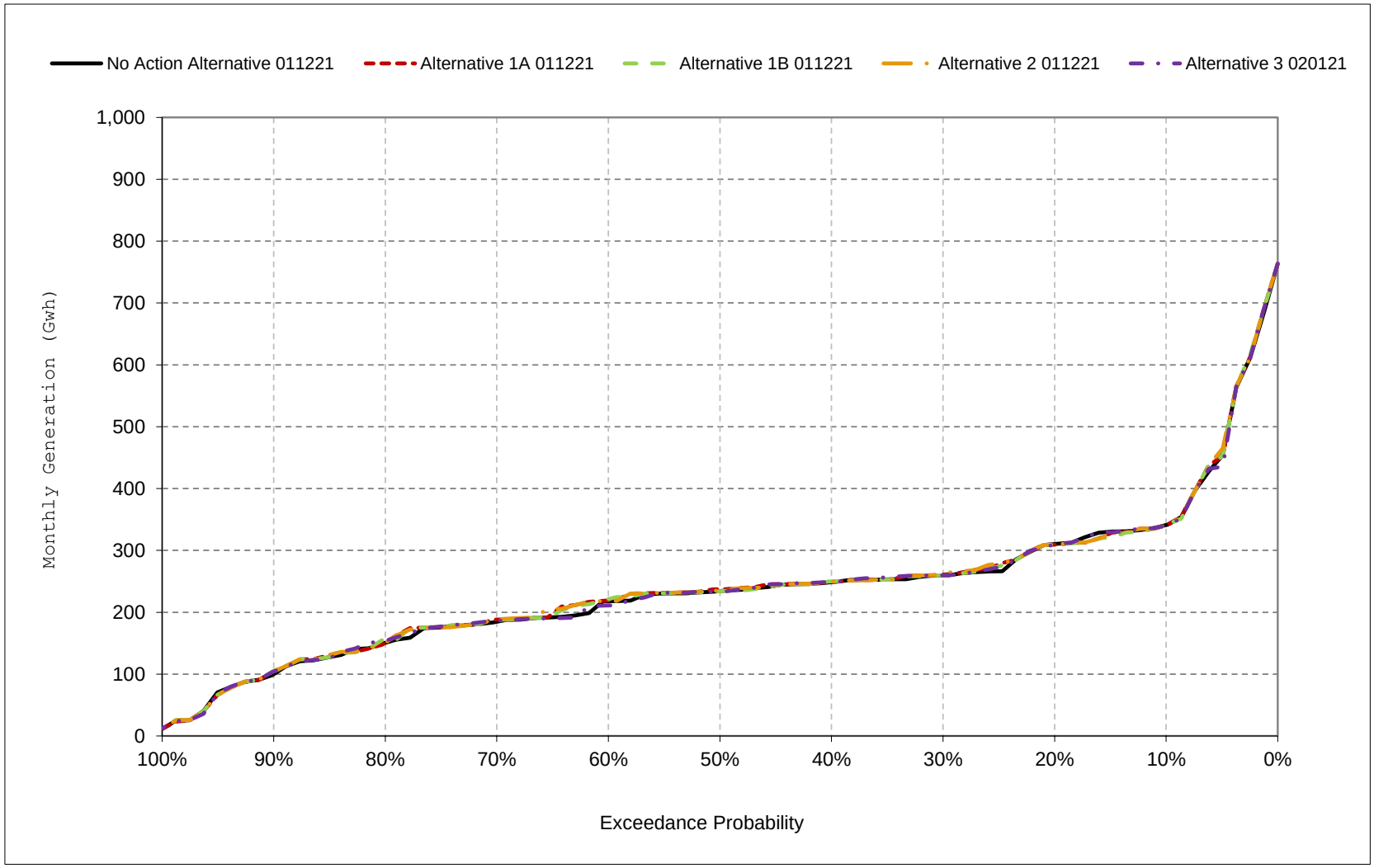
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 7-8. SWP Facilities Total Generation, November



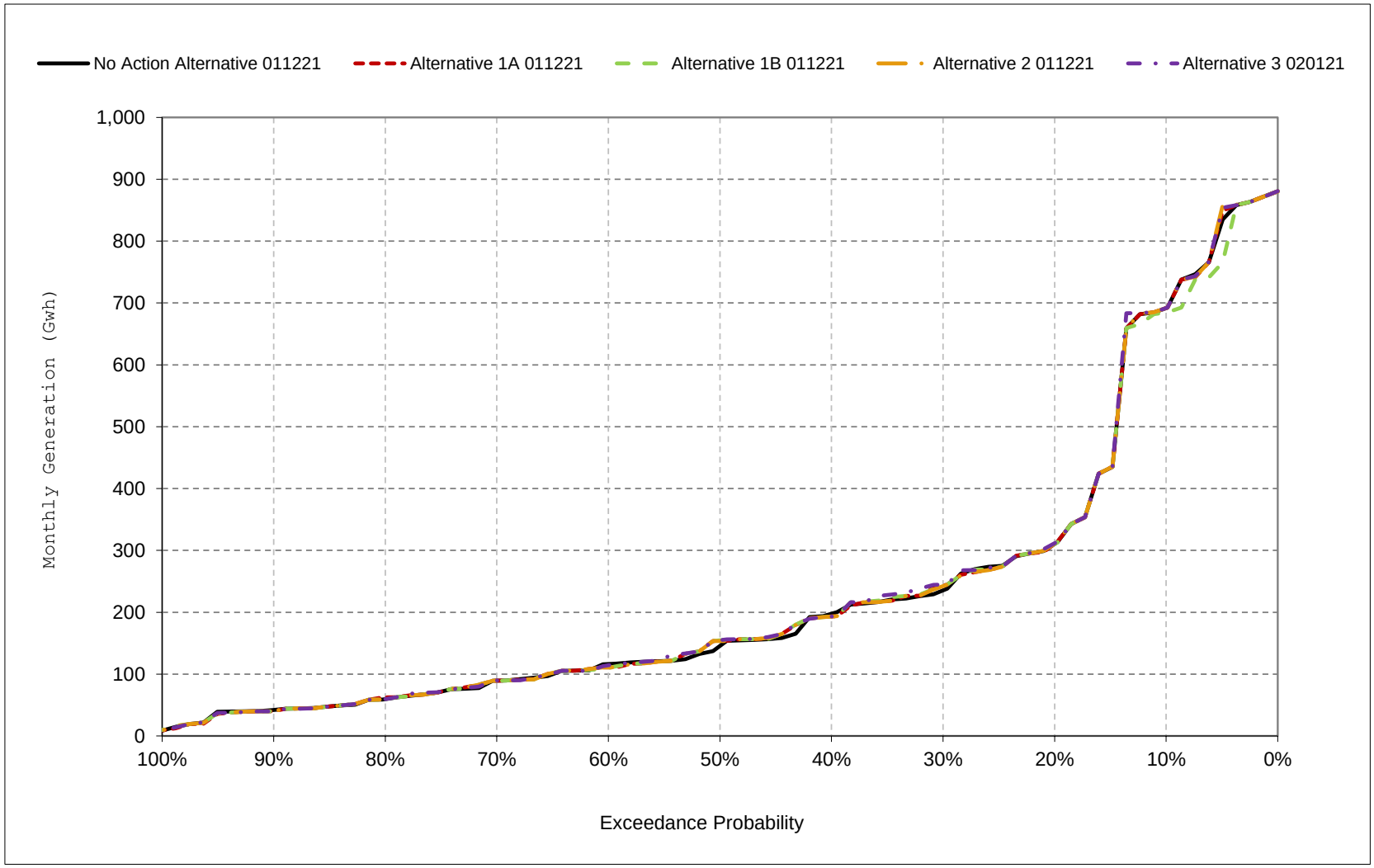
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 7-9. SWP Facilities Total Generation, December



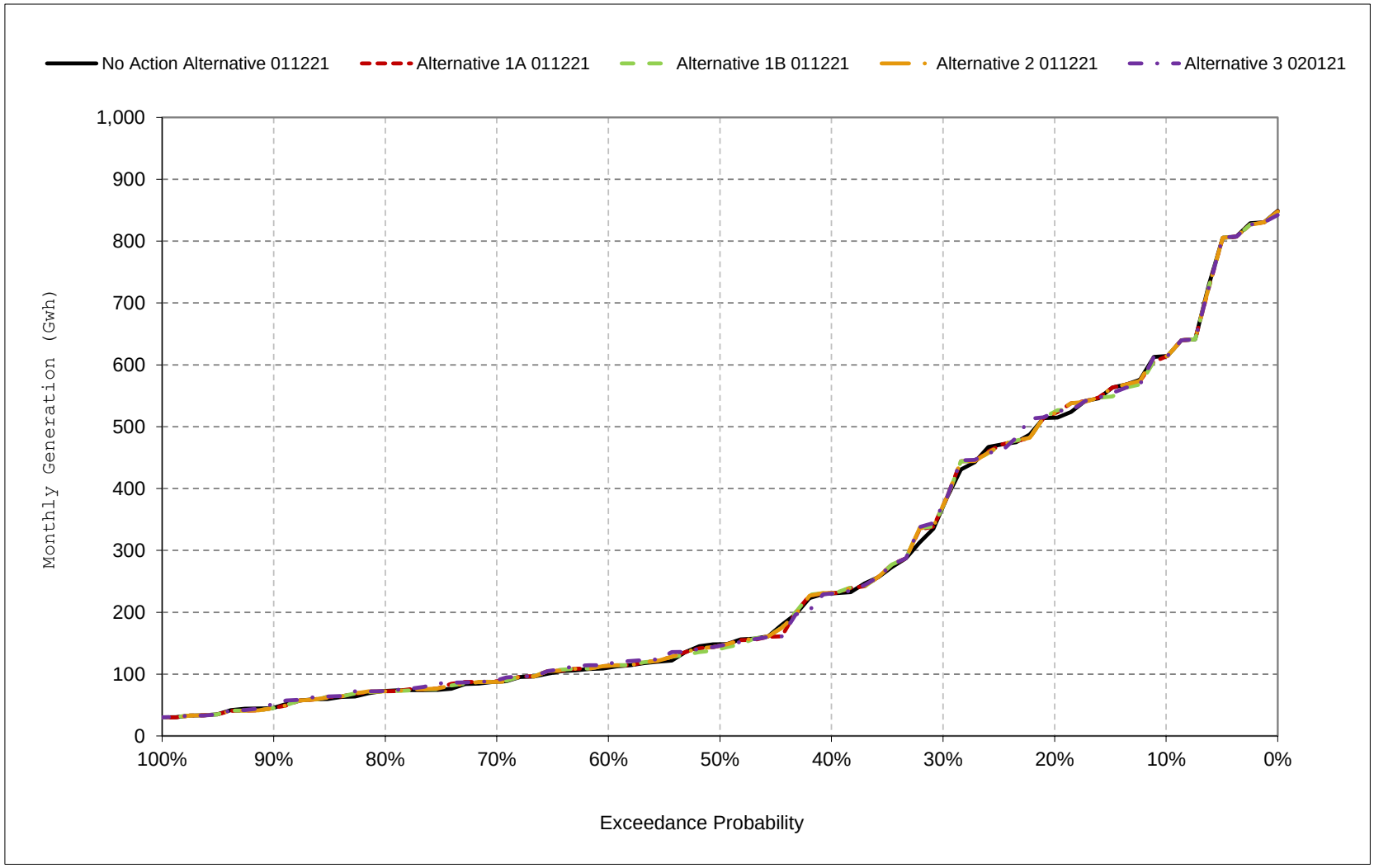
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 7-10. SWP Facilities Total Generation, January



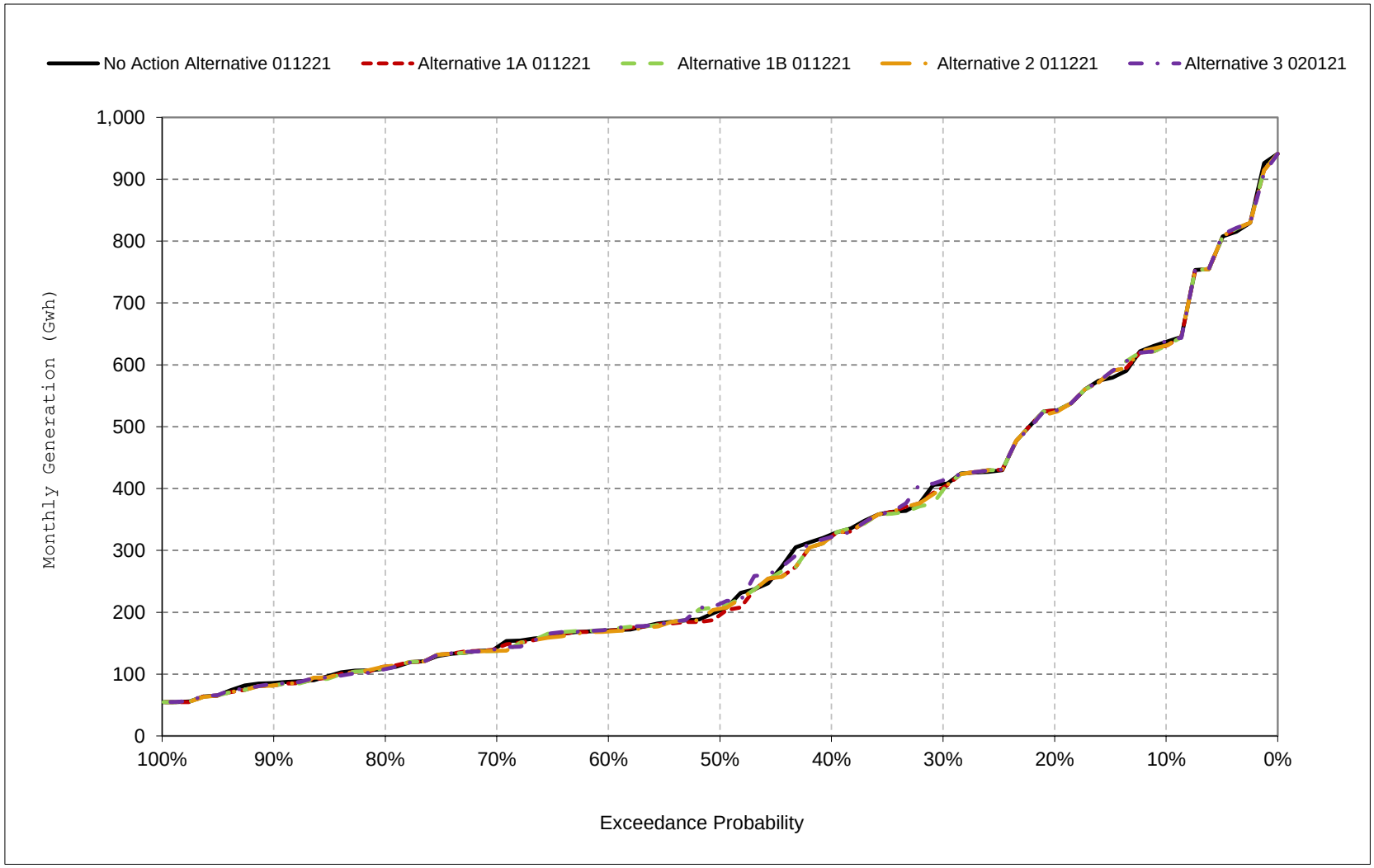
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 7-11. SWP Facilities Total Generation, February



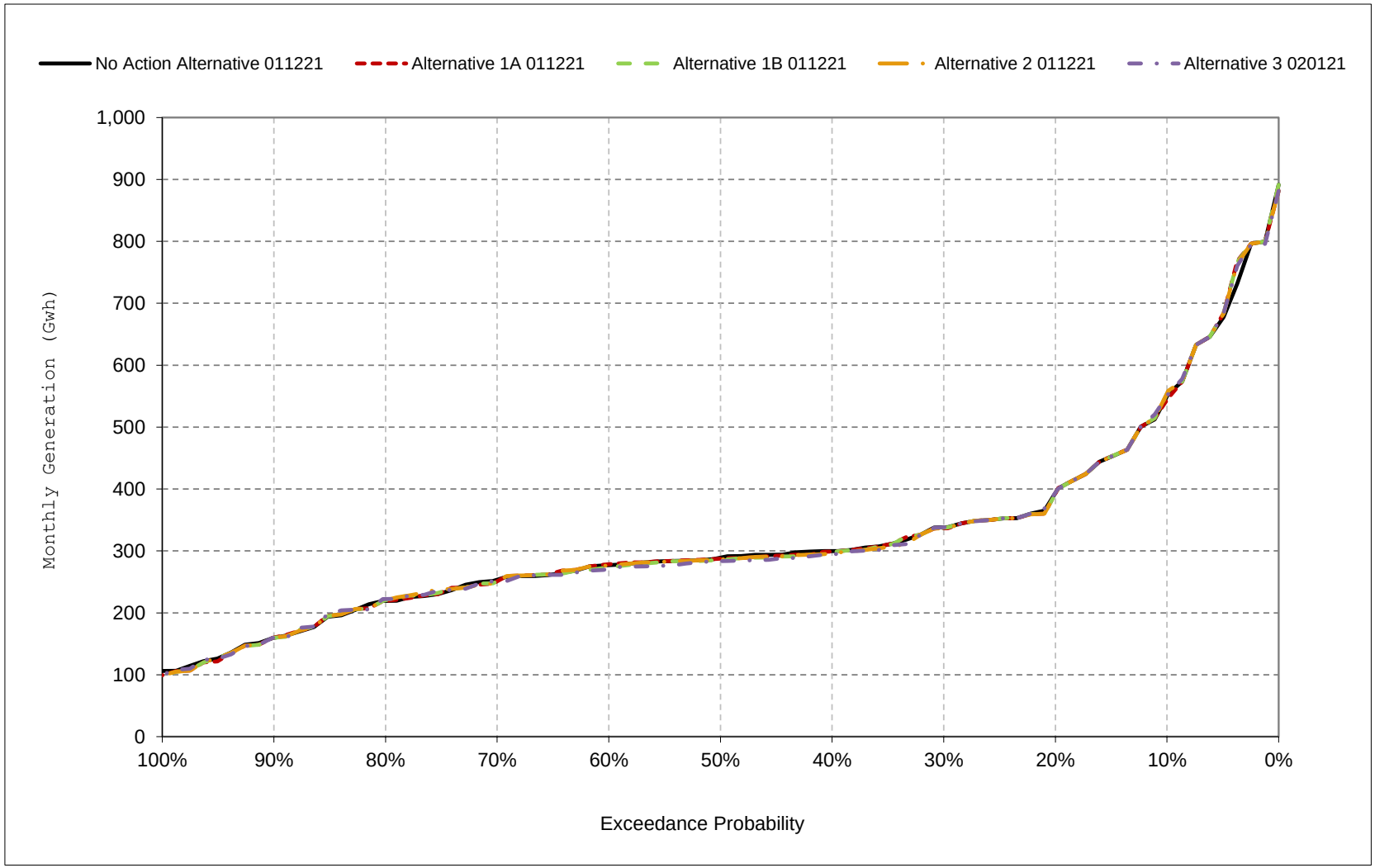
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 7-12. SWP Facilities Total Generation, March



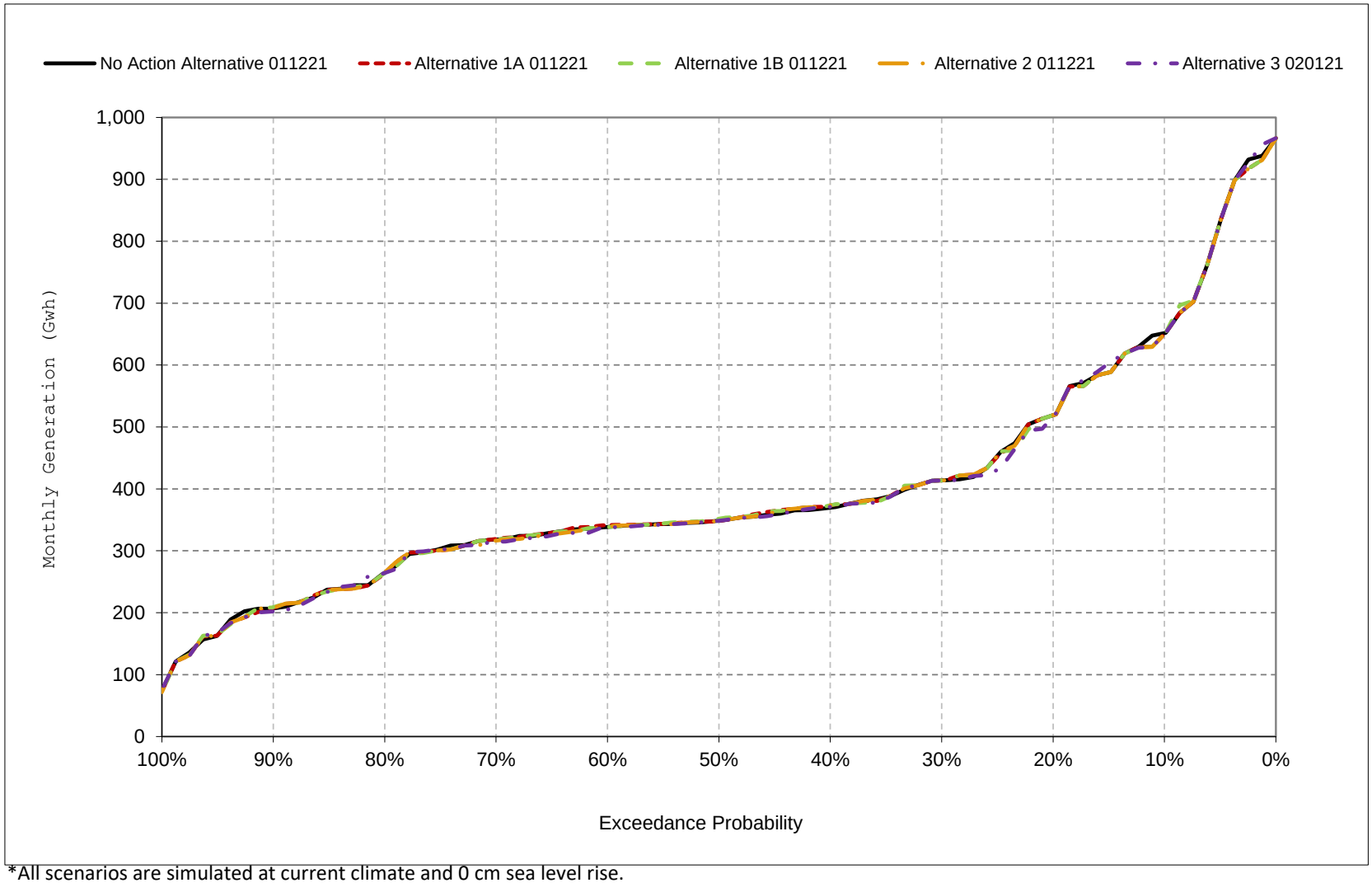
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 7-13. SWP Facilities Total Generation, April



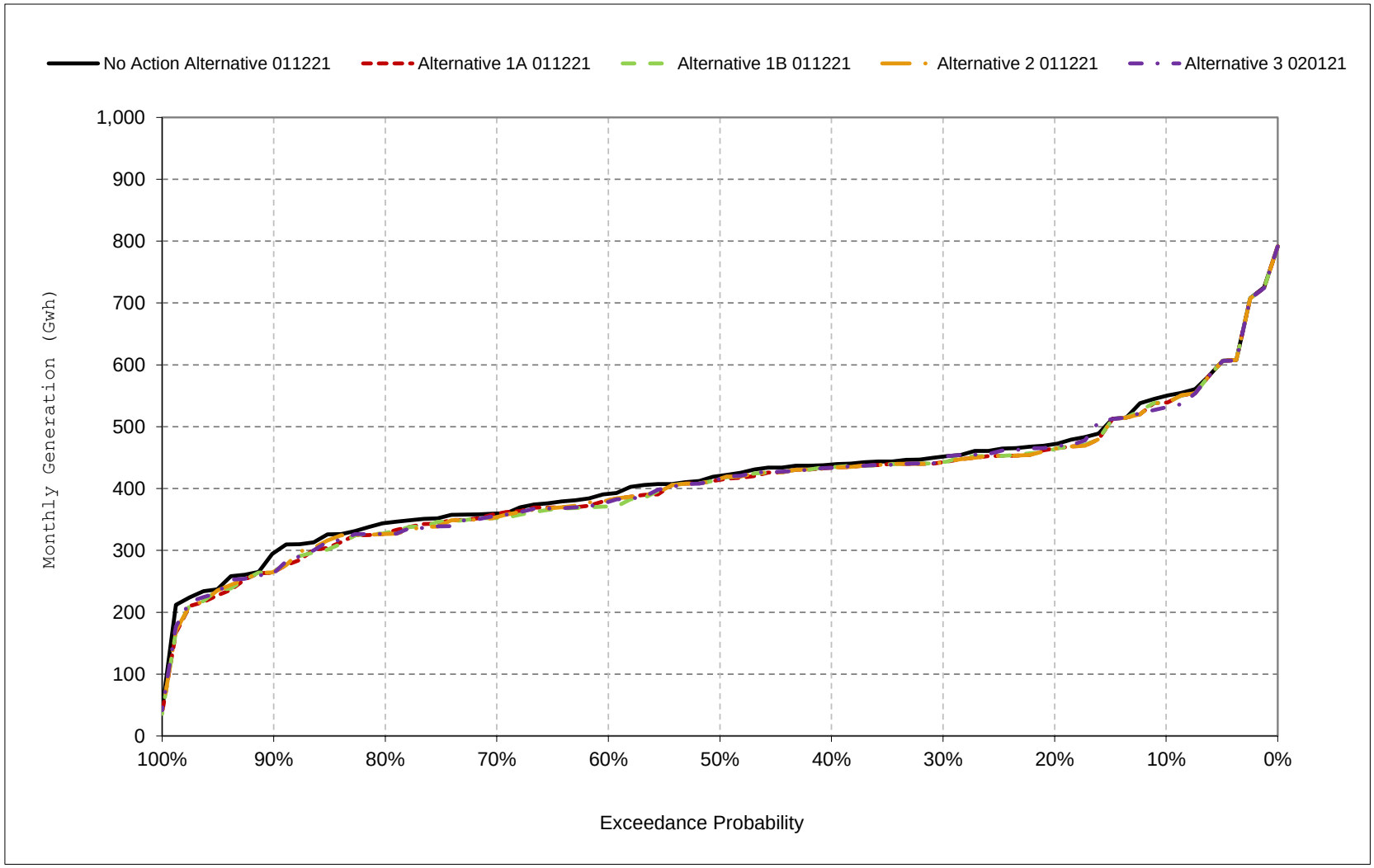
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 7-14. SWP Facilities Total Generation, May



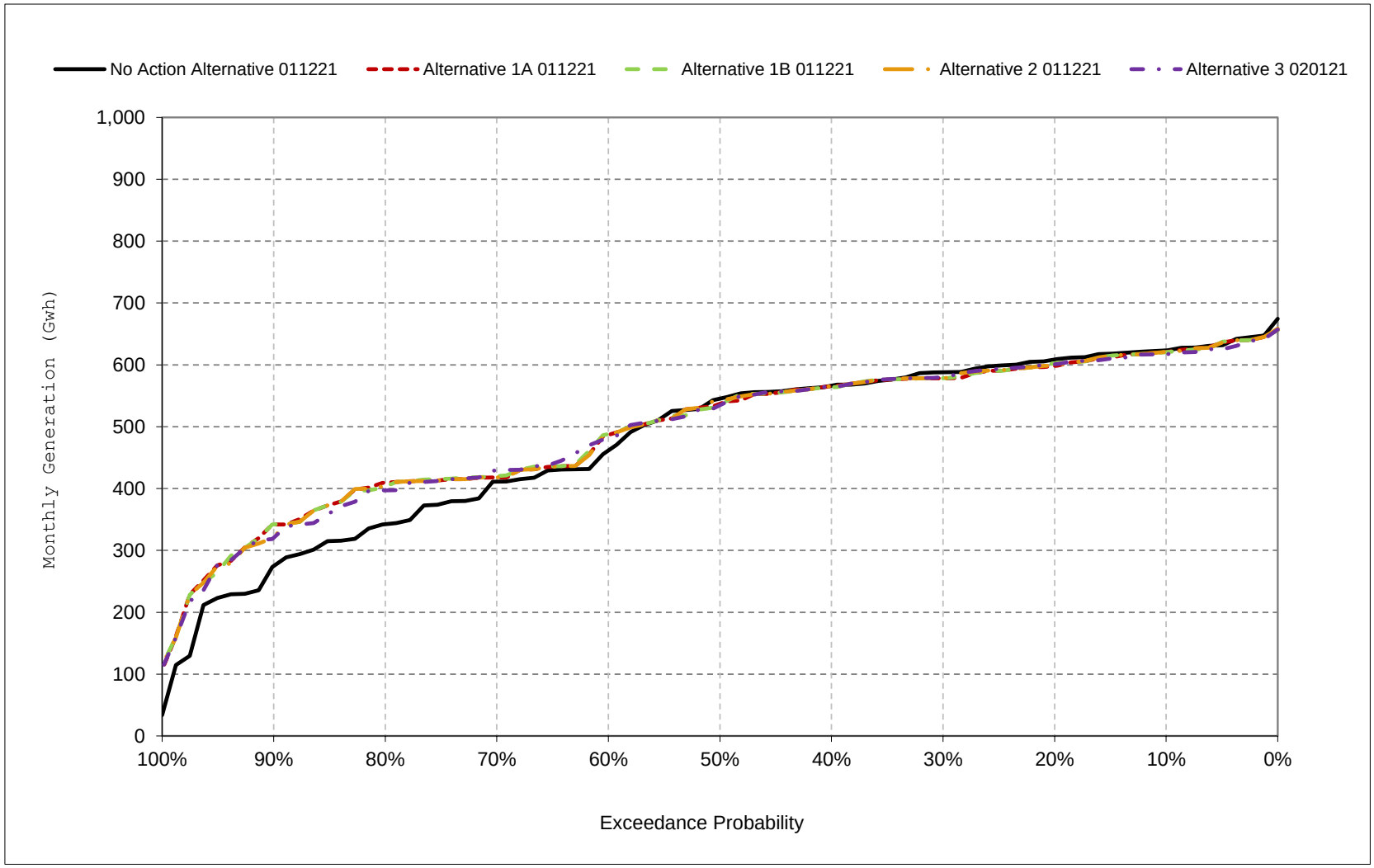
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 7-15. SWP Facilities Total Generation, June



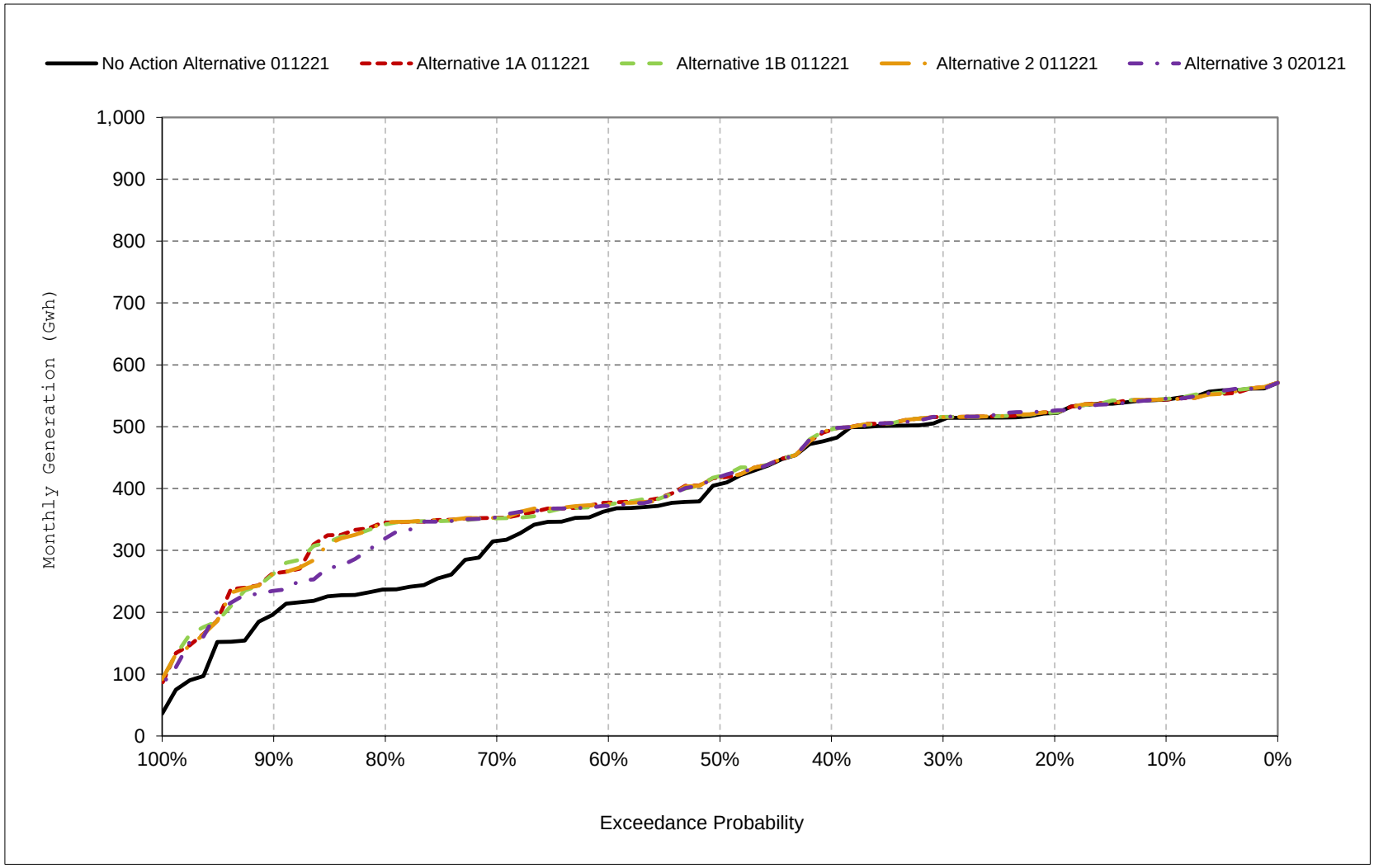
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 7-16. SWP Facilities Total Generation, July



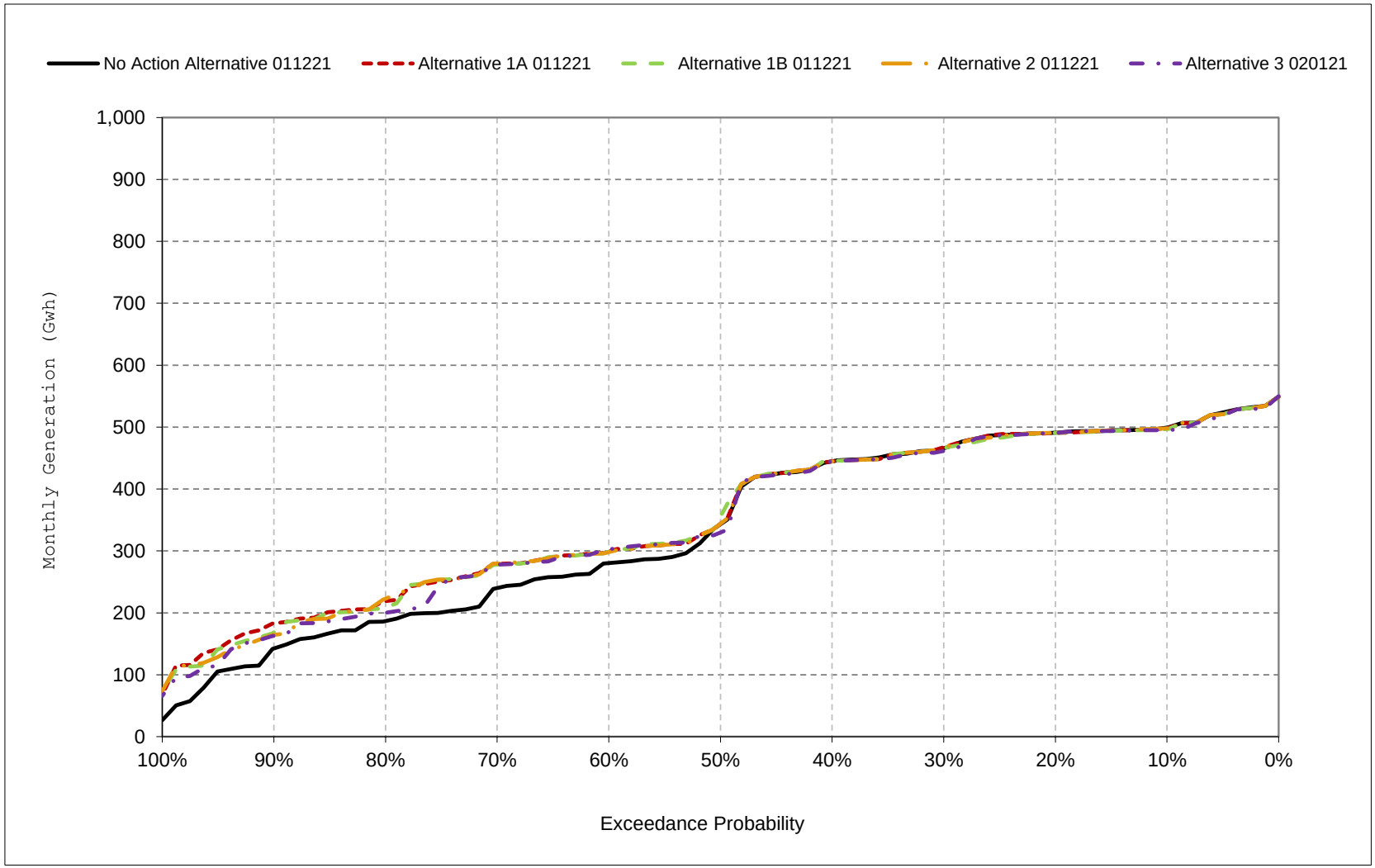
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 7-17. SWP Facilities Total Generation, August



*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 7-18. SWP Facilities Total Generation, September



*All scenarios are simulated at current climate and 0 cm sea level rise.

Table 8-1a. SWP Facilities Total Energy Use, No Action Alternative 011221, Monthly Energy Use (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	831	779	716	974	956	849	722	776	767	871	868	840
20%	800	734	665	862	834	694	604	656	716	847	859	815
30%	783	698	624	631	642	641	569	616	697	820	818	788
40%	734	680	602	459	490	552	550	595	680	810	798	774
50%	708	660	550	331	386	473	519	582	649	793	777	757
60%	686	614	491	247	296	413	484	574	635	771	748	743
70%	624	513	432	199	233	324	459	528	565	660	658	637
80%	434	374	383	147	181	263	336	389	471	466	472	459
90%	295	253	241	110	118	214	281	299	359	350	370	351
Long Term												
Full Simulation Period[a]	641	584	523	453	474	513	522	570	601	693	684	660
Water Year Types[b,c]												
Wet (32%)	742	696	579	704	755	755	682	716	700	802	799	787
Above Normal (15%)	786	731	630	505	528	586	529	624	660	801	812	805
Below Normal (17%)	775	682	612	449	452	475	540	623	675	826	855	765
Dry (22%)	517	465	434	239	242	311	437	459	528	593	517	518
Critical (15%)	308	258	322	181	184	266	276	306	352	344	358	333

Table 8-1b. SWP Facilities Total Energy Use, Alternative 1A 011221, Monthly Energy Use (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	925	813	708	978	957	860	721	776	766	878	893	848
20%	845	753	688	851	842	692	611	652	713	861	865	824
30%	806	724	632	648	641	612	572	616	686	825	851	808
40%	784	703	600	462	491	550	550	594	676	818	820	785
50%	745	677	552	356	370	466	525	581	649	805	804	772
60%	718	662	505	237	307	412	480	574	634	790	779	758
70%	701	608	446	198	226	320	459	534	568	772	763	744
80%	621	517	380	147	180	276	335	400	474	732	736	581
90%	391	304	257	107	118	212	276	297	360	559	576	454
Long Term												
Full Simulation Period[a]	712	627	529	455	473	510	522	569	600	767	772	717
Water Year Types[b,c]												
Wet (32%)	742	693	582	706	753	750	686	712	701	802	799	787
Above Normal (15%)	786	730	629	515	540	590	524	624	660	800	811	804
Below Normal (17%)	826	740	613	454	454	476	535	621	670	825	874	772
Dry (22%)	734	590	444	237	239	313	439	463	529	794	754	658
Critical (15%)	406	307	343	180	175	244	274	302	349	548	581	501

Table 8-1c. SWP Facilities Total Energy Use, Alternative 1A 011221 minus No Action Alternative 011221, Monthly Energy Use (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	94	34	-8	4	1	12	0	0	0	8	25	8
20%	45	19	23	-10	7	-2	7	-4	-4	14	6	9
30%	23	26	8	17	0	-29	3	0	-11	5	33	20
40%	51	24	-2	3	1	-1	-1	-1	-3	8	22	11
50%	37	18	3	25	-16	-7	6	-1	0	12	27	15
60%	32	48	13	-10	12	-1	-4	0	-1	19	31	14
70%	77	95	14	-1	-7	-4	0	6	3	112	105	107
80%	187	143	-4	-1	-1	13	-1	12	2	266	265	122
90%	95	51	17	-3	-1	-1	-5	-2	1	209	206	103
Long Term												
Full Simulation Period[a]	70	43	6	2	0	-3	0	-1	-1	74	88	56
Water Year Types[b,c]												
Wet (32%)	-1	-3	4	2	-2	-5	4	-4	1	0	0	0
Above Normal (15%)	0	-1	-1	10	12	4	-5	-1	0	-1	-1	-1
Below Normal (17%)	51	58	1	4	2	2	-5	-2	-5	-1	19	7
Dry (22%)	216	124	10	-2	-3	2	3	5	1	201	237	140
Critical (15%)	99	49	21	-1	-8	-22	-3	-3	-4	204	223	168

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 8-2a. SWP Facilities Total Energy Use, No Action Alternative 011221, Monthly Energy Use (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	831	779	716	974	956	849	722	776	767	871	868	840
20%	800	734	665	862	834	694	604	656	716	847	859	815
30%	783	698	624	631	642	641	569	616	697	820	818	788
40%	734	680	602	459	490	552	550	595	680	810	798	774
50%	708	660	550	331	386	473	519	582	649	793	777	757
60%	686	614	491	247	296	413	484	574	635	771	748	743
70%	624	513	432	199	233	324	459	528	565	660	658	637
80%	434	374	383	147	181	263	336	389	471	466	472	459
90%	295	253	241	110	118	214	281	299	359	350	370	351
Long Term												
Full Simulation Period[a]	641	584	523	453	474	513	522	570	601	693	684	660
Water Year Types[b,c]												
Wet (32%)	742	696	579	704	755	755	682	716	700	802	799	787
Above Normal (15%)	786	731	630	505	528	586	529	624	660	801	812	805
Below Normal (17%)	775	682	612	449	452	475	540	623	675	826	855	765
Dry (22%)	517	465	434	239	242	311	437	459	528	593	517	518
Critical (15%)	308	258	322	181	184	266	276	306	352	344	358	333

Table 8-2b. SWP Facilities Total Energy Use, Alternative 1B 011221, Monthly Energy Use (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	920	813	705	974	957	857	722	776	766	879	883	847
20%	841	750	678	841	855	701	613	653	715	860	863	823
30%	811	721	632	629	642	613	568	615	687	827	845	804
40%	782	700	599	457	491	544	549	594	679	818	818	785
50%	738	675	556	355	370	479	518	581	651	805	796	770
60%	716	659	499	242	306	416	480	576	635	791	777	760
70%	699	600	437	198	227	323	459	529	546	773	758	745
80%	611	487	366	146	180	277	333	401	447	702	716	579
90%	377	293	213	108	118	212	272	295	359	559	572	441
Long Term												
Full Simulation Period[a]	705	621	524	449	475	511	521	570	600	766	769	712
Water Year Types[b,c]												
Wet (32%)	743	696	581	684	752	749	684	714	701	803	800	788
Above Normal (15%)	786	729	628	520	541	580	527	623	656	798	810	803
Below Normal (17%)	810	739	610	454	455	487	527	621	673	825	872	772
Dry (22%)	725	561	426	238	240	313	439	463	528	787	741	638
Critical (15%)	391	307	346	181	185	255	276	305	352	552	579	500

Table 8-2c. SWP Facilities Total Energy Use, Alternative 1B 011221 minus No Action Alternative 011221, Monthly Energy Use (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	89	34	-11	0	1	9	0	0	-1	8	15	7
20%	42	16	13	-21	21	8	9	-4	-1	14	4	8
30%	29	23	8	-3	0	-28	-1	0	-10	7	27	15
40%	48	21	-3	-2	1	-7	-2	-1	-1	8	20	11
50%	30	15	6	24	-16	7	0	-1	2	12	19	14
60%	29	45	8	-5	11	3	-4	2	0	20	29	17
70%	75	87	5	-1	-6	-1	0	1	-18	113	101	109
80%	177	113	-17	-1	-1	14	-3	12	-25	236	244	120
90%	82	40	-27	-1	-1	-2	-8	-4	0	209	201	90
Long Term												
Full Simulation Period[a]	64	37	2	-4	1	-2	-1	0	-1	73	85	52
Water Year Types[b,c]												
Wet (32%)	0	0	2	-20	-3	-6	2	-2	1	1	1	1
Above Normal (15%)	-1	-2	-3	15	13	-5	-2	-2	-5	-3	-3	-2
Below Normal (17%)	35	56	-2	5	3	12	-13	-2	-2	-1	18	7
Dry (22%)	208	95	-8	-1	-2	1	2	4	0	194	225	120
Critical (15%)	83	48	24	0	2	-11	-1	-1	-1	208	221	167

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 8-3a. SWP Facilities Total Energy Use, No Action Alternative 011221, Monthly Energy Use (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	831	779	716	974	956	849	722	776	767	871	868	840
20%	800	734	665	862	834	694	604	656	716	847	859	815
30%	783	698	624	631	642	641	569	616	697	820	818	788
40%	734	680	602	459	490	552	550	595	680	810	798	774
50%	708	660	550	331	386	473	519	582	649	793	777	757
60%	686	614	491	247	296	413	484	574	635	771	748	743
70%	624	513	432	199	233	324	459	528	565	660	658	637
80%	434	374	383	147	181	263	336	389	471	466	472	459
90%	295	253	241	110	118	214	281	299	359	350	370	351
Long Term												
Full Simulation Period[a]	641	584	523	453	474	513	522	570	601	693	684	660
Water Year Types[b,c]												
Wet (32%)	742	696	579	704	755	755	682	716	700	802	799	787
Above Normal (15%)	786	731	630	505	528	586	529	624	660	801	812	805
Below Normal (17%)	775	682	612	449	452	475	540	623	675	826	855	765
Dry (22%)	517	465	434	239	242	311	437	459	528	593	517	518
Critical (15%)	308	258	322	181	184	266	276	306	352	344	358	333

Table 8-3b. SWP Facilities Total Energy Use, Alternative 2 011221, Monthly Energy Use (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	919	818	703	978	957	862	721	776	766	878	893	848
20%	841	751	686	852	833	692	596	651	702	860	865	824
30%	802	724	632	648	642	612	567	614	685	825	855	808
40%	776	703	591	452	492	550	550	592	675	818	823	785
50%	741	674	553	357	372	472	518	580	649	809	797	771
60%	717	656	504	237	307	413	480	574	632	793	777	758
70%	696	599	437	198	226	325	459	534	568	775	763	744
80%	592	412	380	147	181	276	334	401	474	733	726	573
90%	379	303	258	107	118	212	276	297	360	509	521	441
Long Term												
Full Simulation Period[a]	698	619	527	455	475	510	521	568	600	766	769	711
Water Year Types[b,c]												
Wet (32%)	742	693	582	705	752	751	685	712	700	803	800	787
Above Normal (15%)	785	730	628	519	540	579	527	624	663	800	811	804
Below Normal (17%)	826	751	612	454	455	478	528	613	665	828	876	773
Dry (22%)	693	543	439	237	239	313	439	463	528	794	755	645
Critical (15%)	370	305	342	179	184	251	275	304	351	539	554	479

Table 8-3c. SWP Facilities Total Energy Use, Alternative 2 011221 minus No Action Alternative 011221, Monthly Energy Use (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	87	38	-13	4	1	13	0	0	-1	8	25	8
20%	42	17	21	-10	-1	-2	-8	-5	-15	13	6	10
30%	19	26	8	17	0	-29	-2	-1	-12	5	37	20
40%	42	23	-12	-7	2	-2	-1	-3	-4	8	25	11
50%	33	14	3	26	-14	-1	-1	-2	0	16	20	14
60%	30	42	12	-10	12	0	-4	0	-3	23	29	15
70%	72	86	5	-1	-7	1	0	6	3	115	105	108
80%	158	38	-3	-1	0	13	-2	12	3	267	254	114
90%	84	51	17	-3	-1	-1	-4	-2	1	159	151	90
Long Term												
Full Simulation Period[a]	56	34	5	2	1	-3	-1	-2	-1	73	85	51
Water Year Types[b,c]												
Wet (32%)	0	-3	3	0	-3	-4	2	-4	1	0	1	0
Above Normal (15%)	-1	-1	-2	14	12	-7	-2	0	2	-1	-1	-1
Below Normal (17%)	50	68	0	5	3	3	-12	-10	-10	2	21	8
Dry (22%)	176	77	5	-2	-3	1	3	4	1	200	238	127
Critical (15%)	63	47	21	-2	1	-15	-1	-2	-2	195	197	146

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 8-4a. SWP Facilities Total Energy Use, No Action Alternative 011221, Monthly Energy Use (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	831	779	716	974	956	849	722	776	767	871	868	840
20%	800	734	665	862	834	694	604	656	716	847	859	815
30%	783	698	624	631	642	641	569	616	697	820	818	788
40%	734	680	602	459	490	552	550	595	680	810	798	774
50%	708	660	550	331	386	473	519	582	649	793	777	757
60%	686	614	491	247	296	413	484	574	635	771	748	743
70%	624	513	432	199	233	324	459	528	565	660	658	637
80%	434	374	383	147	181	263	336	389	471	466	472	459
90%	295	253	241	110	118	214	281	299	359	350	370	351
Long Term												
Full Simulation Period[a]	641	584	523	453	474	513	522	570	601	693	684	660
Water Year Types[b,c]												
Wet (32%)	742	696	579	704	755	755	682	716	700	802	799	787
Above Normal (15%)	786	731	630	505	528	586	529	624	660	801	812	805
Below Normal (17%)	775	682	612	449	452	475	540	623	675	826	855	765
Dry (22%)	517	465	434	239	242	311	437	459	528	593	517	518
Critical (15%)	308	258	322	181	184	266	276	306	352	344	358	333

Table 8-4b. SWP Facilities Total Energy Use, Alternative 3 020121, Monthly Energy Use (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	893	813	703	983	955	873	721	776	766	871	880	844
20%	830	741	667	855	835	731	608	649	702	859	862	822
30%	800	722	631	648	648	685	564	607	682	822	848	799
40%	765	690	600	456	491	562	546	591	671	811	816	785
50%	738	672	554	361	378	472	511	579	647	802	792	771
60%	710	651	504	247	312	406	478	571	631	787	773	756
70%	672	599	444	198	245	331	458	534	561	769	756	730
80%	485	404	399	144	182	275	334	391	445	689	705	543
90%	347	303	256	107	118	205	274	296	360	516	472	397
Long Term												
Full Simulation Period[a]	683	610	527	457	477	521	519	567	598	756	751	699
Water Year Types[b,c]												
Wet (32%)	740	694	577	702	750	758	686	711	699	801	797	785
Above Normal (15%)	792	733	634	533	540	593	530	626	657	797	813	806
Below Normal (17%)	801	731	596	452	458	513	516	606	663	822	868	763
Dry (22%)	667	524	455	242	251	314	438	465	529	766	692	620
Critical (15%)	340	295	339	180	187	256	273	302	347	528	544	448

Table 8-4c. SWP Facilities Total Energy Use, Alternative 3 020121 minus No Action Alternative 011221, Monthly Energy Use (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	62	34	-13	9	0	24	0	0	-1	1	12	4
20%	31	8	2	-6	1	37	3	-8	-14	12	3	8
30%	17	23	8	17	6	44	-5	-9	-15	3	31	11
40%	31	10	-3	-3	1	11	-5	-4	-8	1	19	12
50%	30	12	4	31	-8	-1	-8	-3	-2	9	15	15
60%	24	37	13	0	16	-7	-6	-3	-4	17	25	13
70%	48	85	12	-1	12	7	-1	6	-4	110	98	93
80%	51	30	16	-4	2	12	-2	3	-27	223	234	84
90%	52	50	15	-3	-1	-9	-6	-3	1	166	102	46
Long Term												
Full Simulation Period[a]	42	26	4	5	3	8	-3	-4	-3	63	67	38
Water Year Types[b,c]												
Wet (32%)	-2	-1	-1	-2	-6	3	4	-5	-1	-1	-2	-2
Above Normal (15%)	6	2	3	28	12	8	1	1	-3	-4	1	1
Below Normal (17%)	25	49	-17	3	6	39	-24	-17	-12	-3	13	-2
Dry (22%)	150	59	21	3	9	3	1	6	1	172	175	102
Critical (15%)	33	37	18	0	3	-10	-3	-4	-6	184	186	115

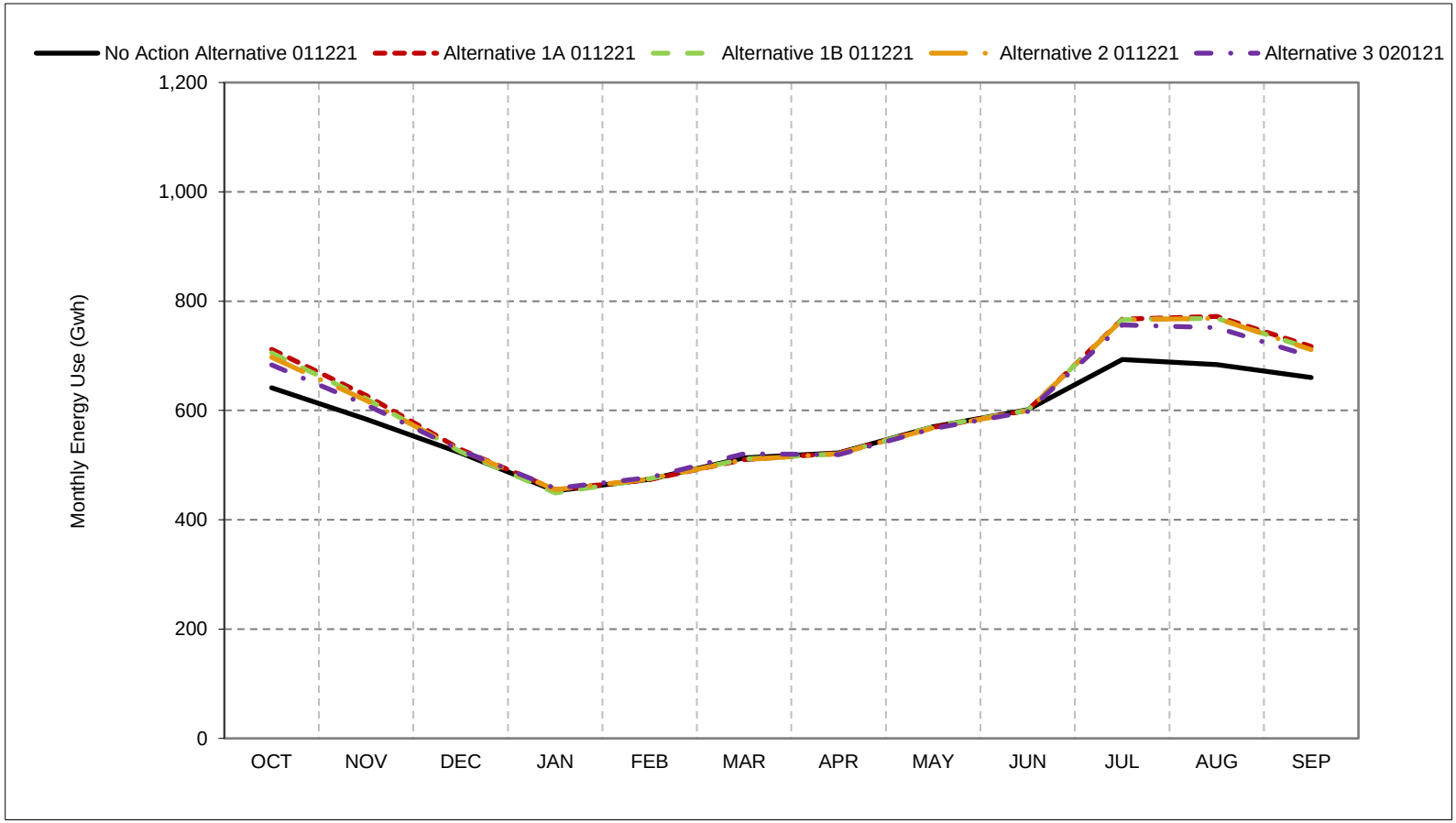
a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 8-1. SWP Facilities Total Energy Use, Long-Term Average Energy Use

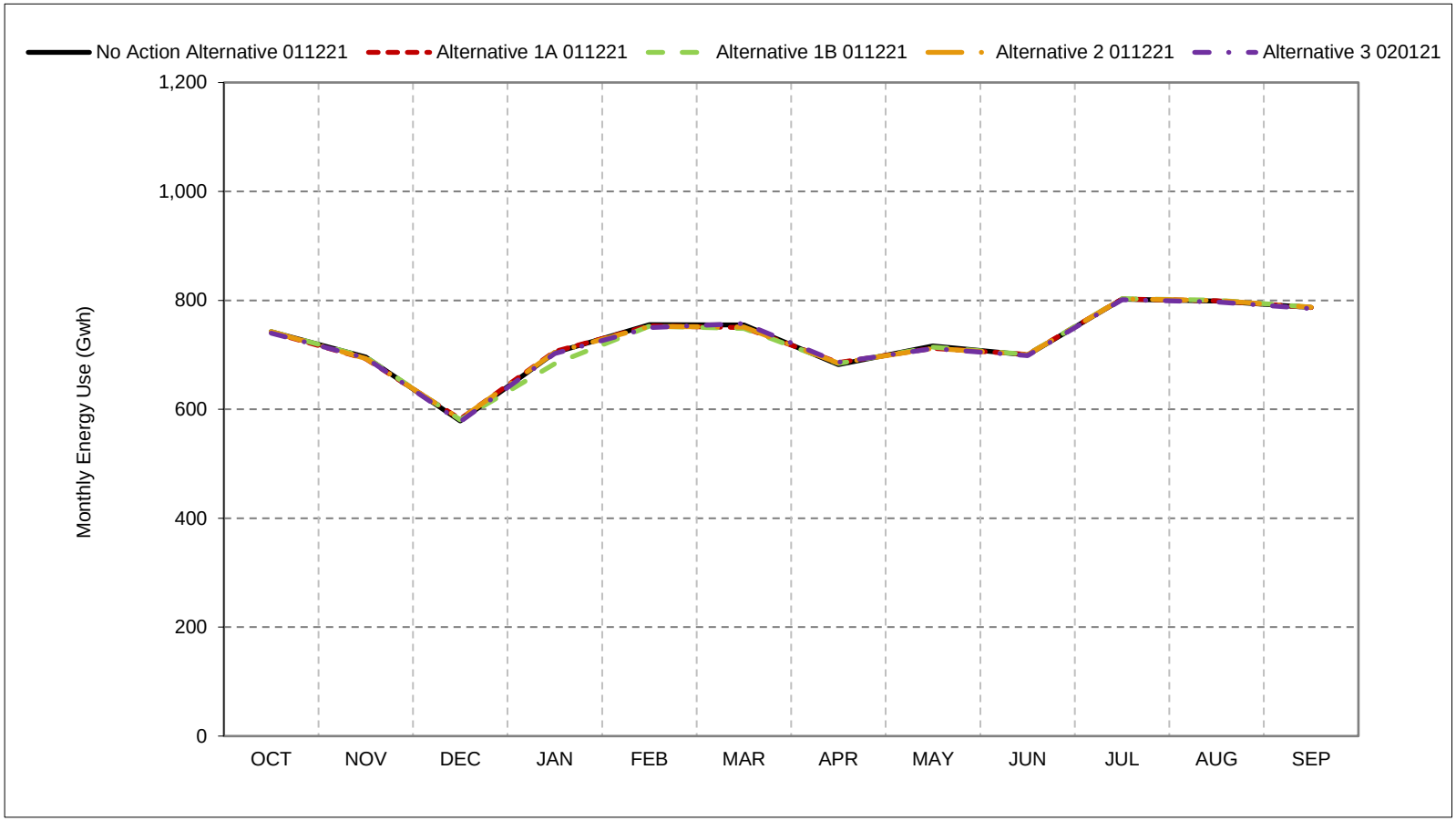


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 8-2. SWP Facilities Total Energy Use, Wet Year Average Energy Use

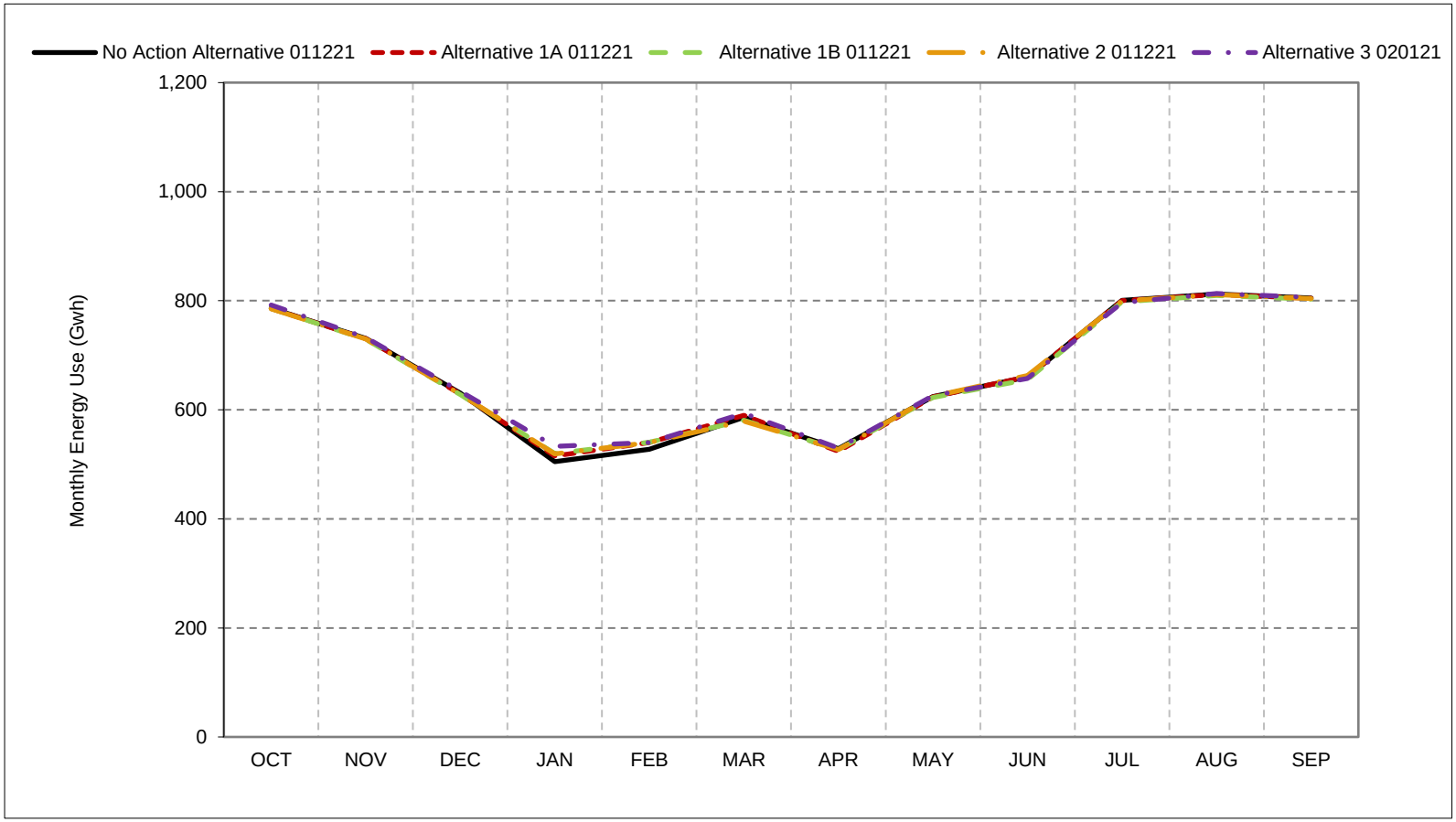


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 8-3. SWP Facilities Total Energy Use, Above Normal Year Average Energy Use

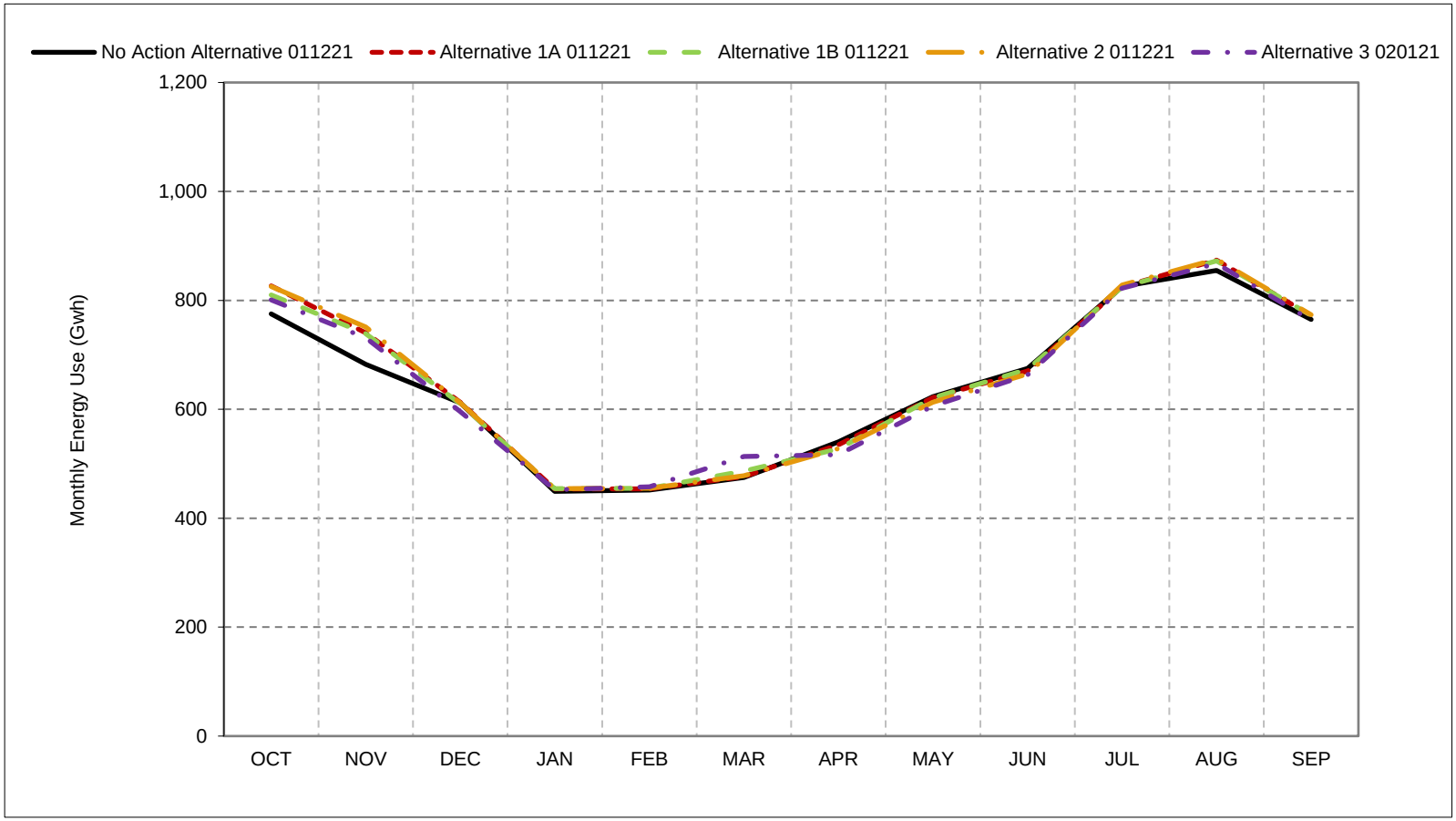


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 8-4. SWP Facilities Total Energy Use, Below Normal Year Average Energy Use

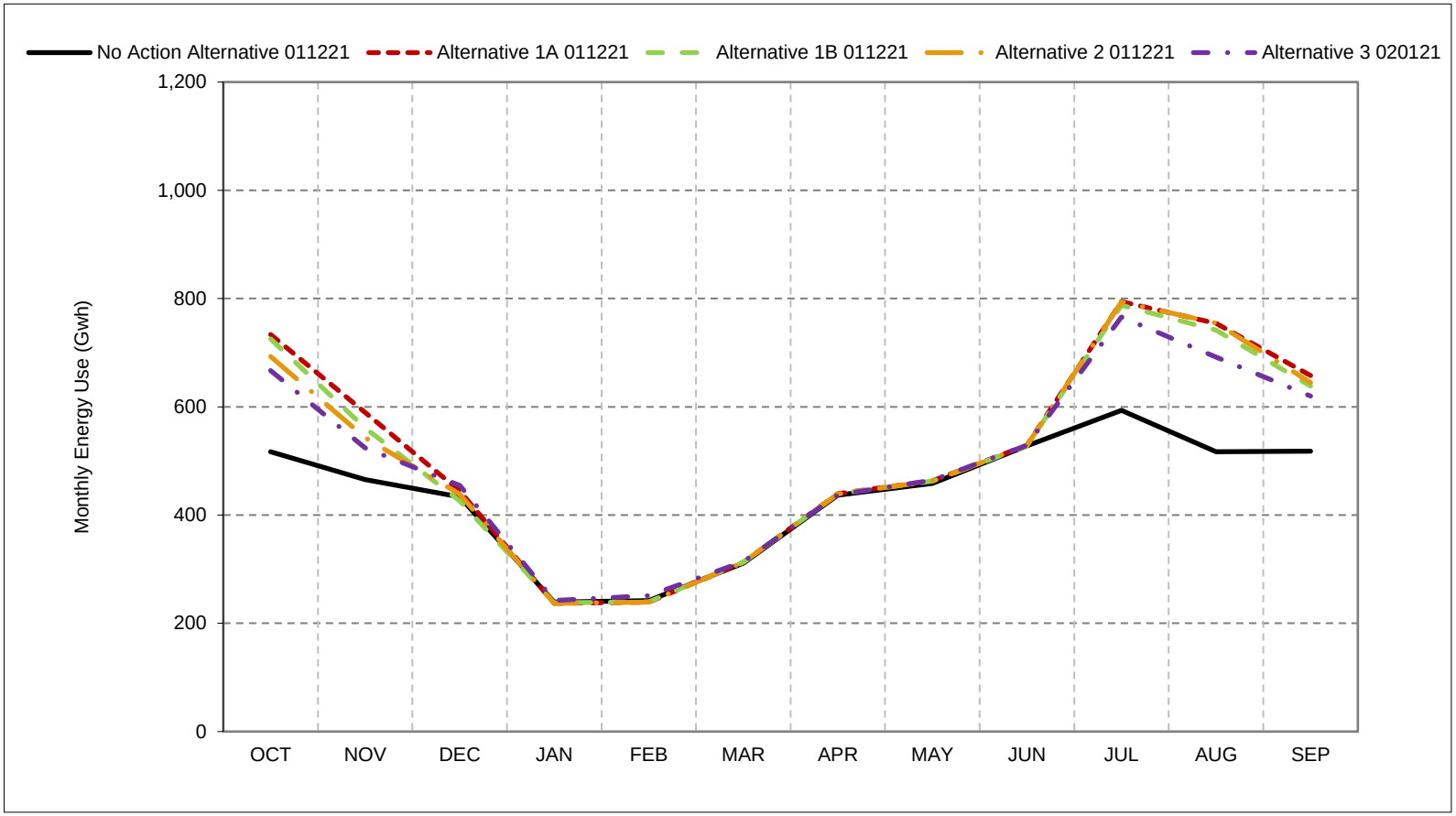


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 8-5. SWP Facilities Total Energy Use, Dry Year Average Energy Use

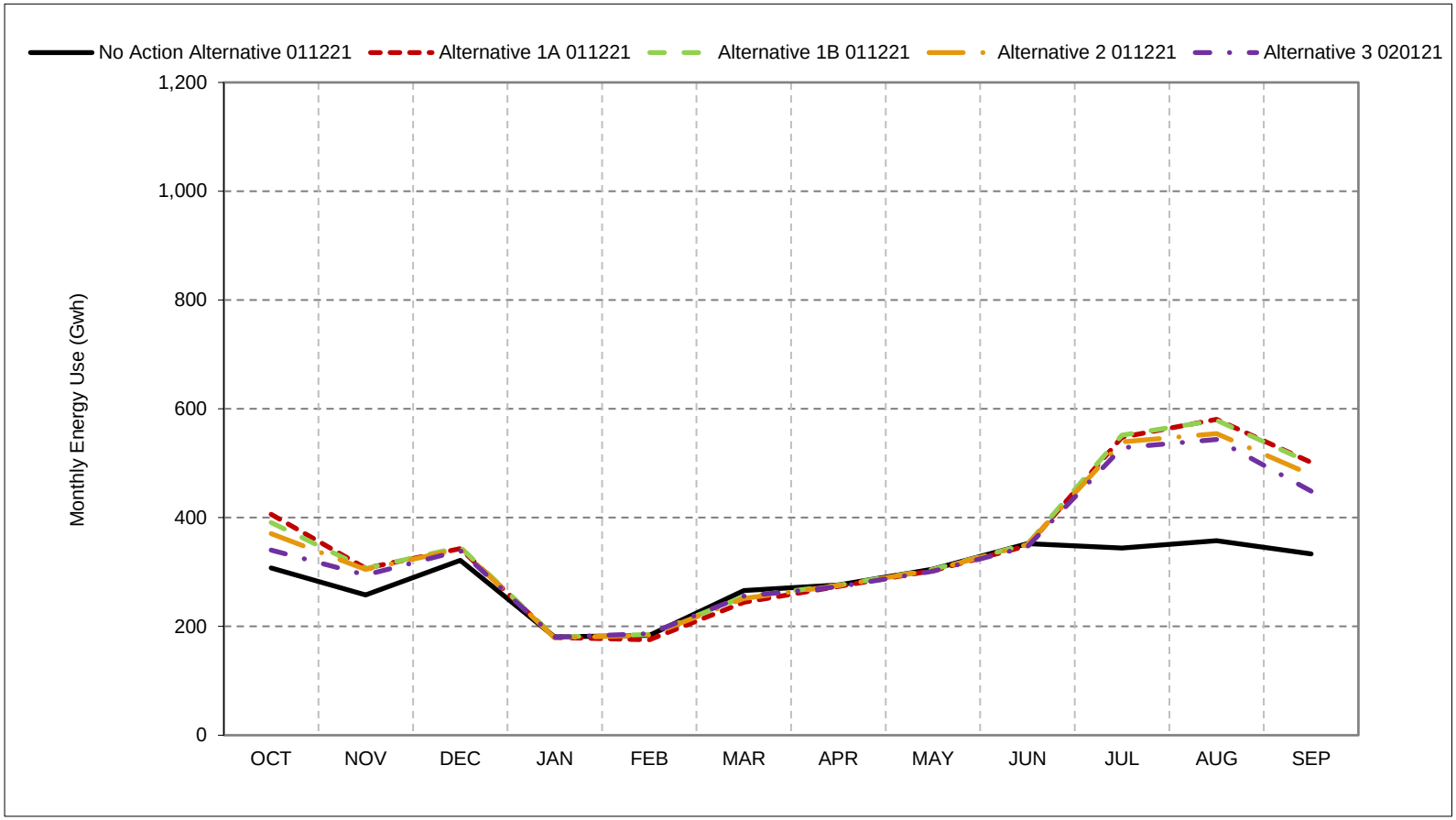


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 8-6. SWP Facilities Total Energy Use, Critical Year Average Energy Use

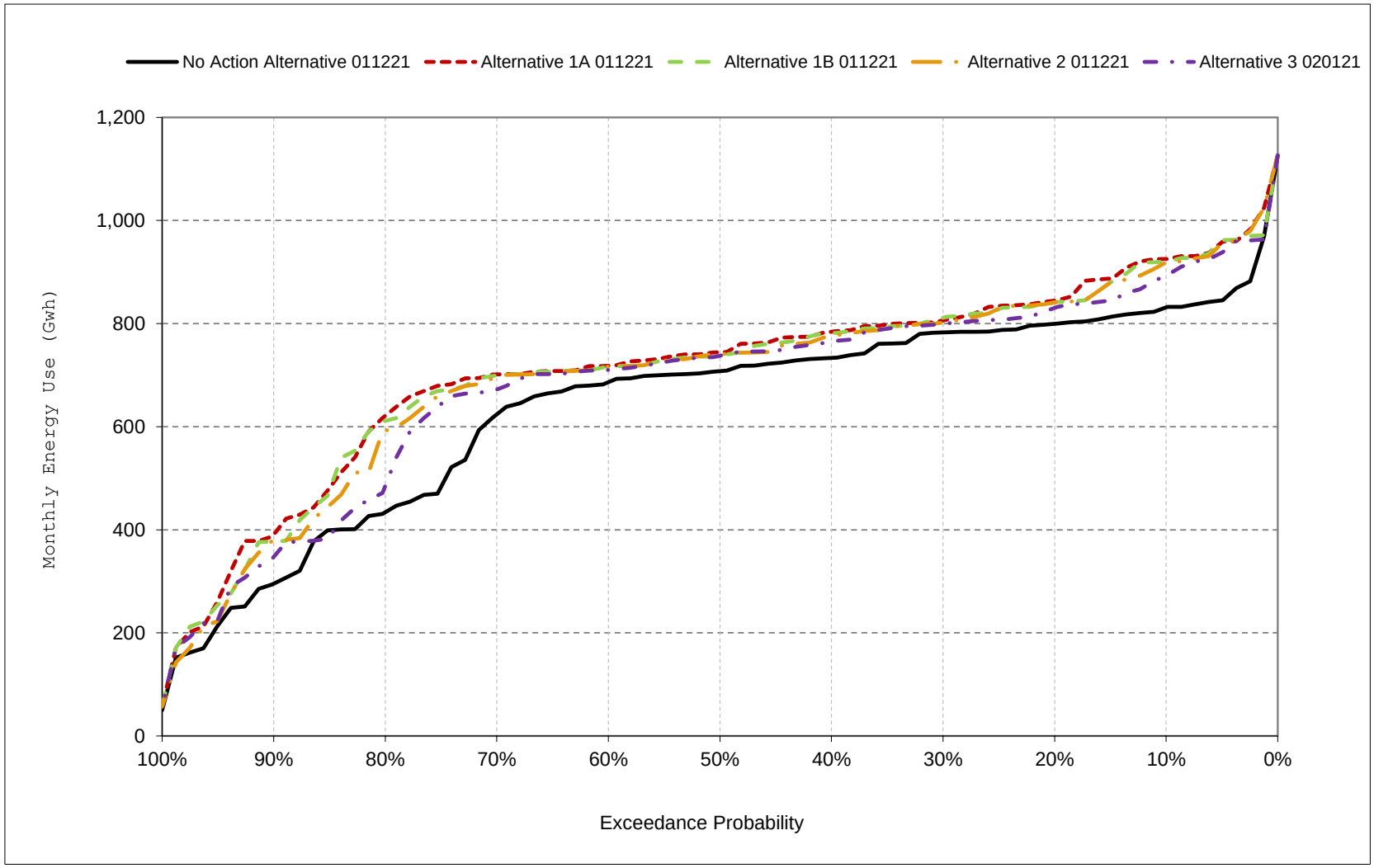


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

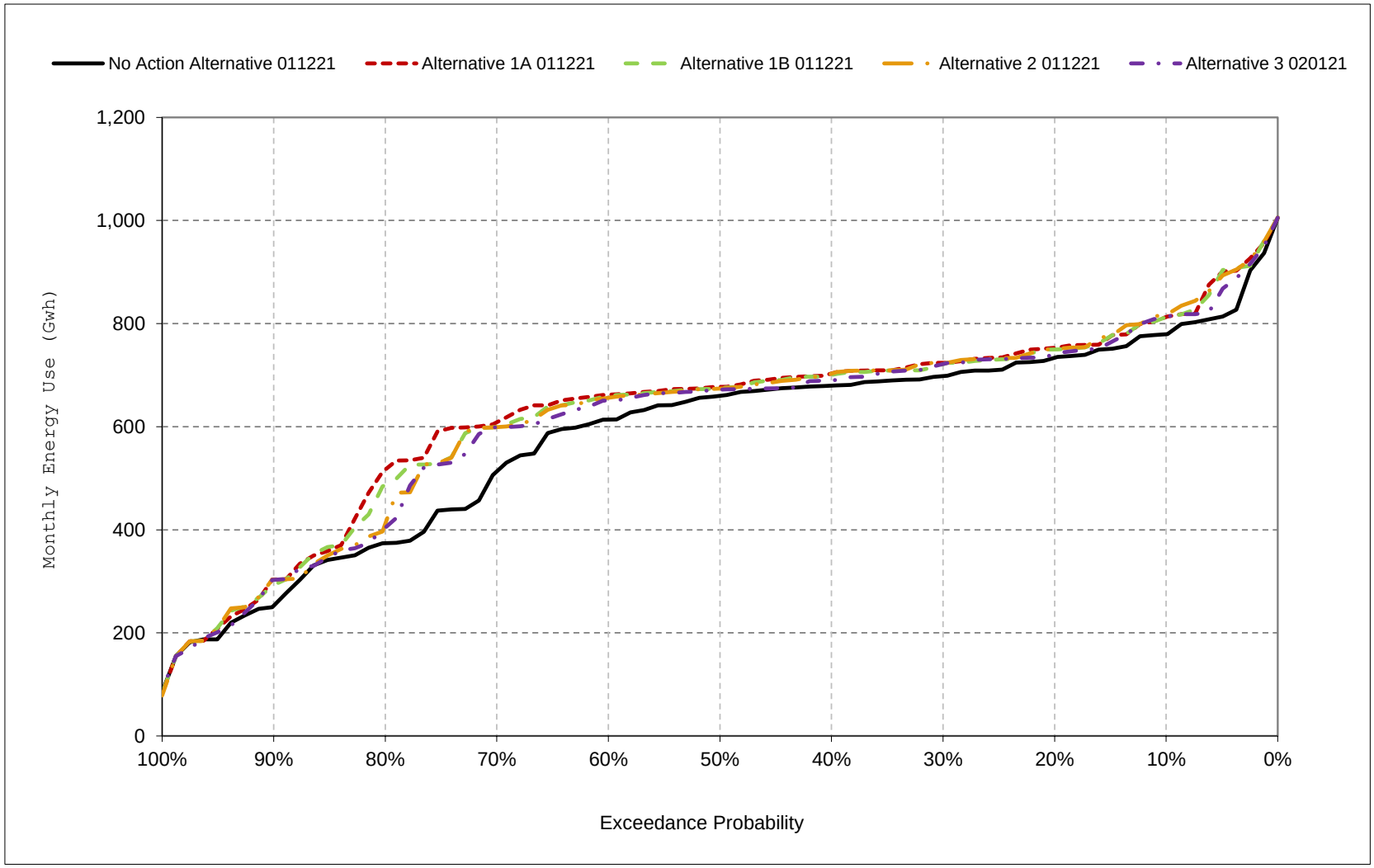
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 8-7. SWP Facilities Total Energy Use, October



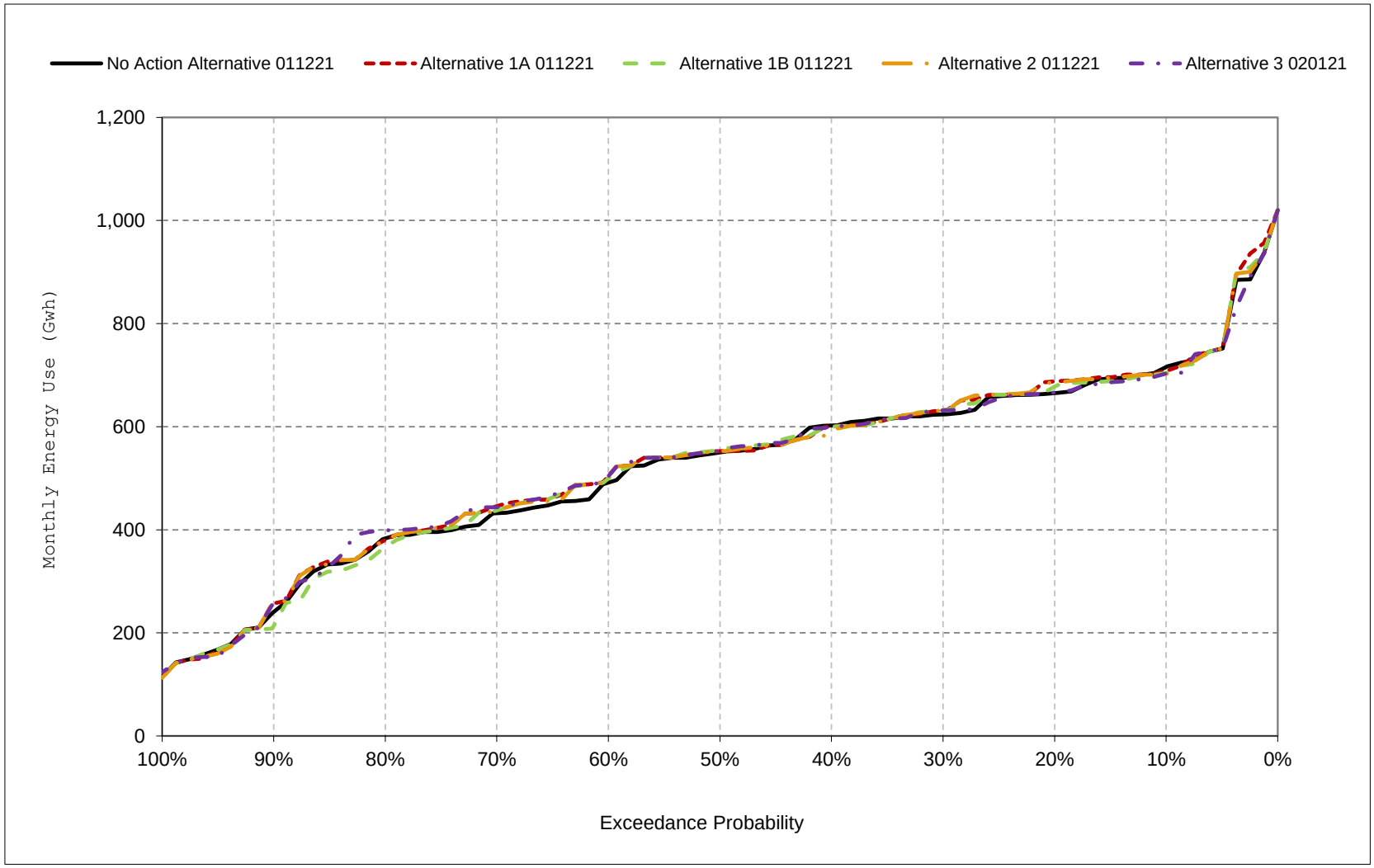
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 8-8. SWP Facilities Total Energy Use, November



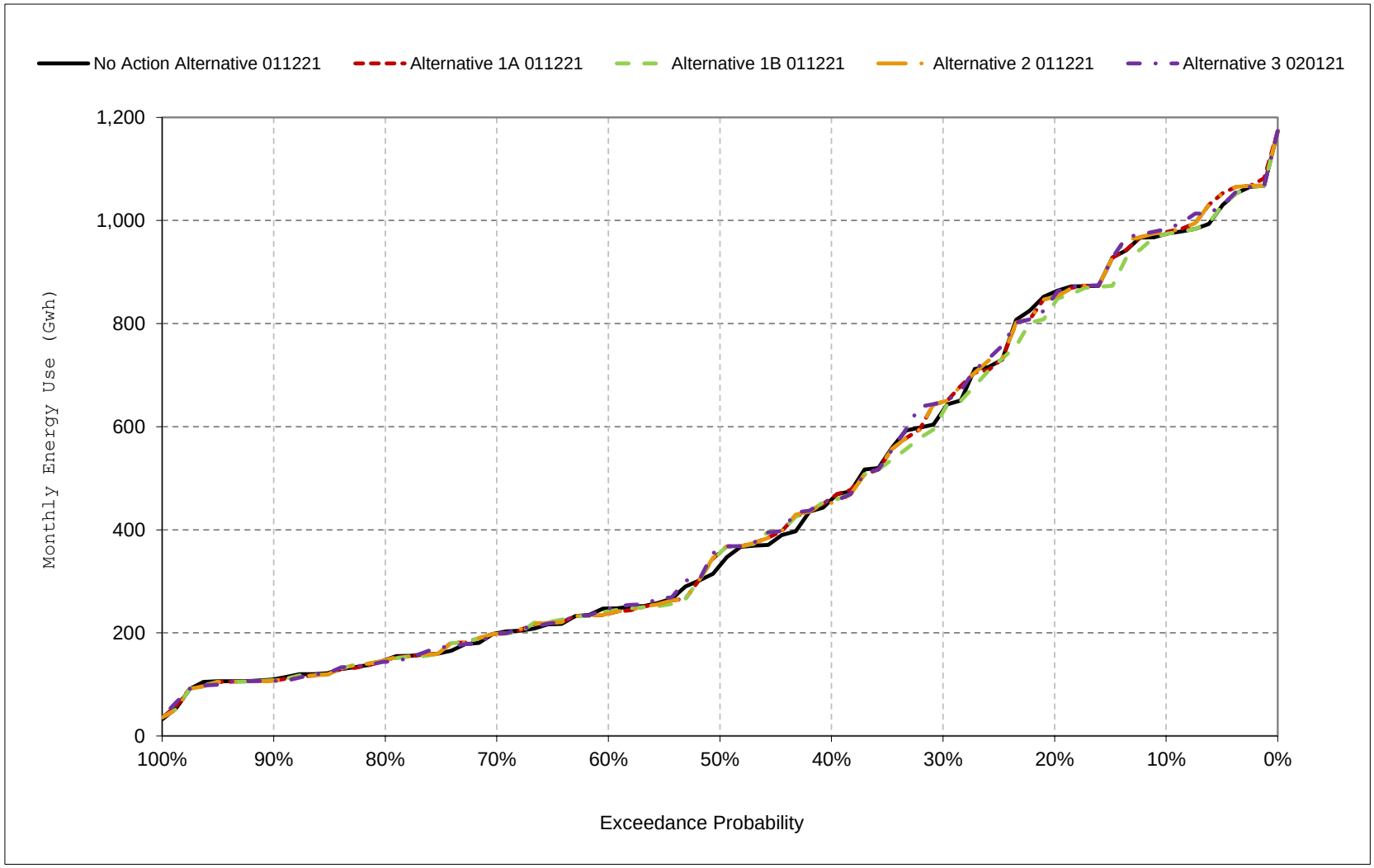
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 8-9. SWP Facilities Total Energy Use, December



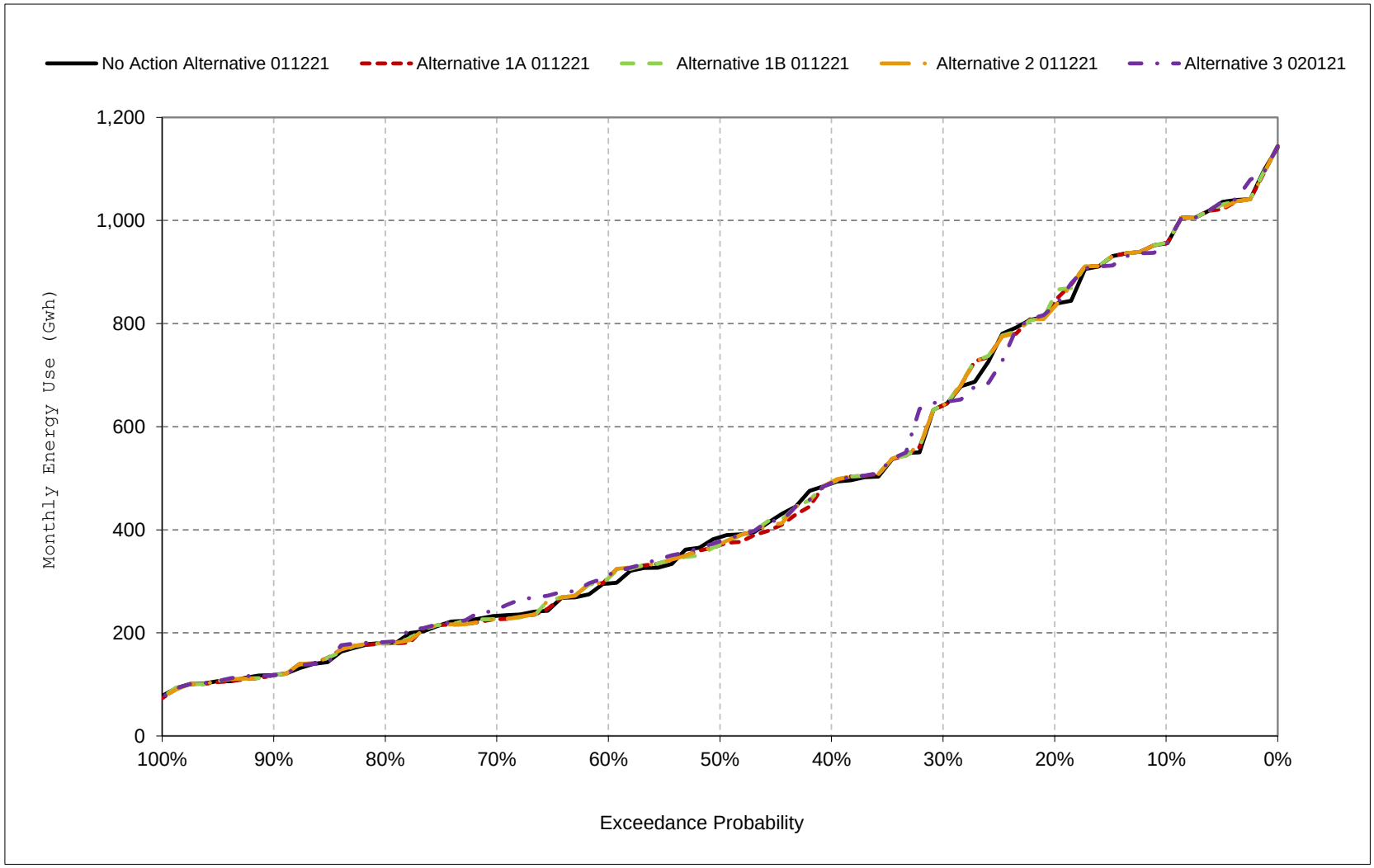
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 8-10. SWP Facilities Total Energy Use, January



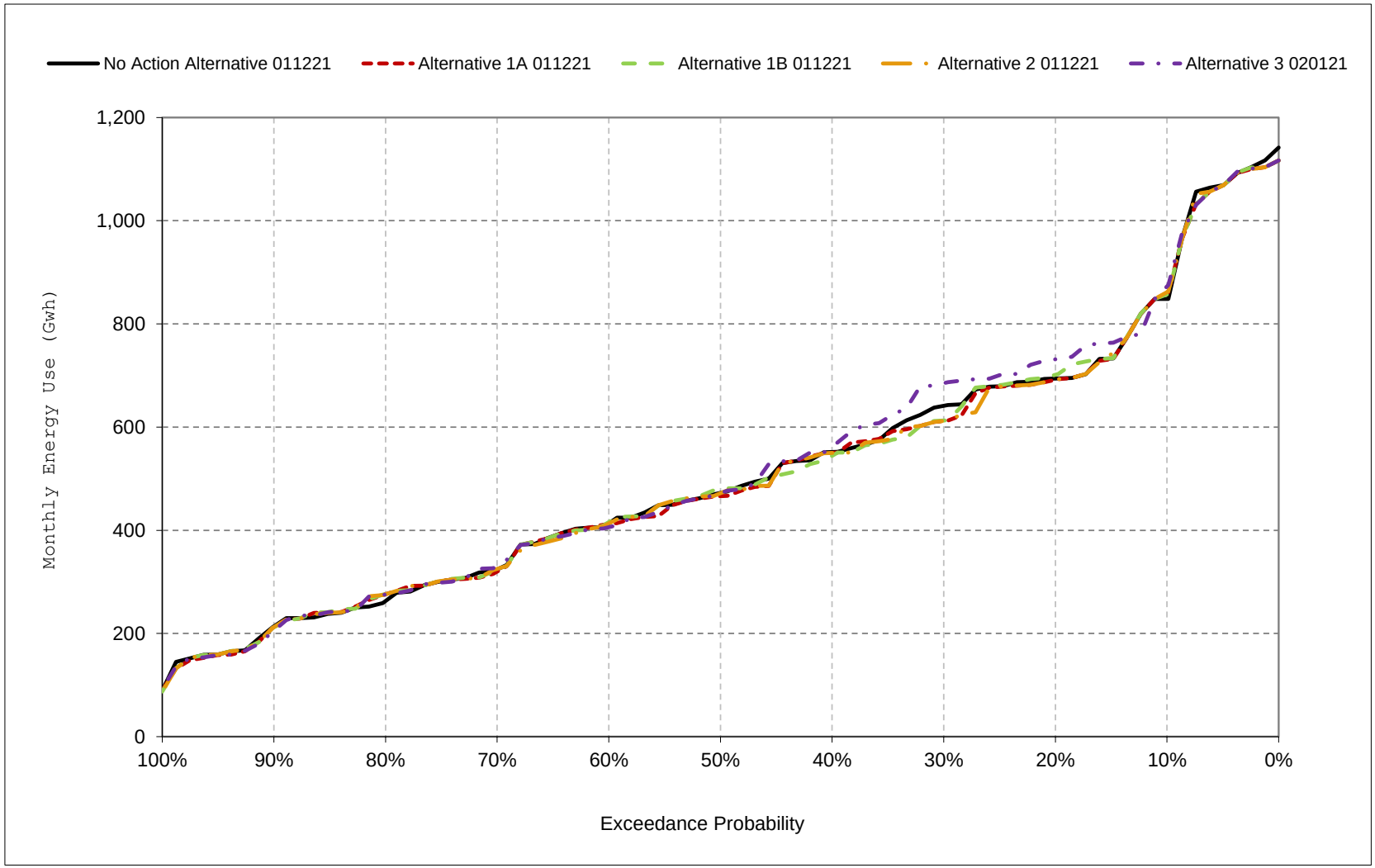
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 8-11. SWP Facilities Total Energy Use, February



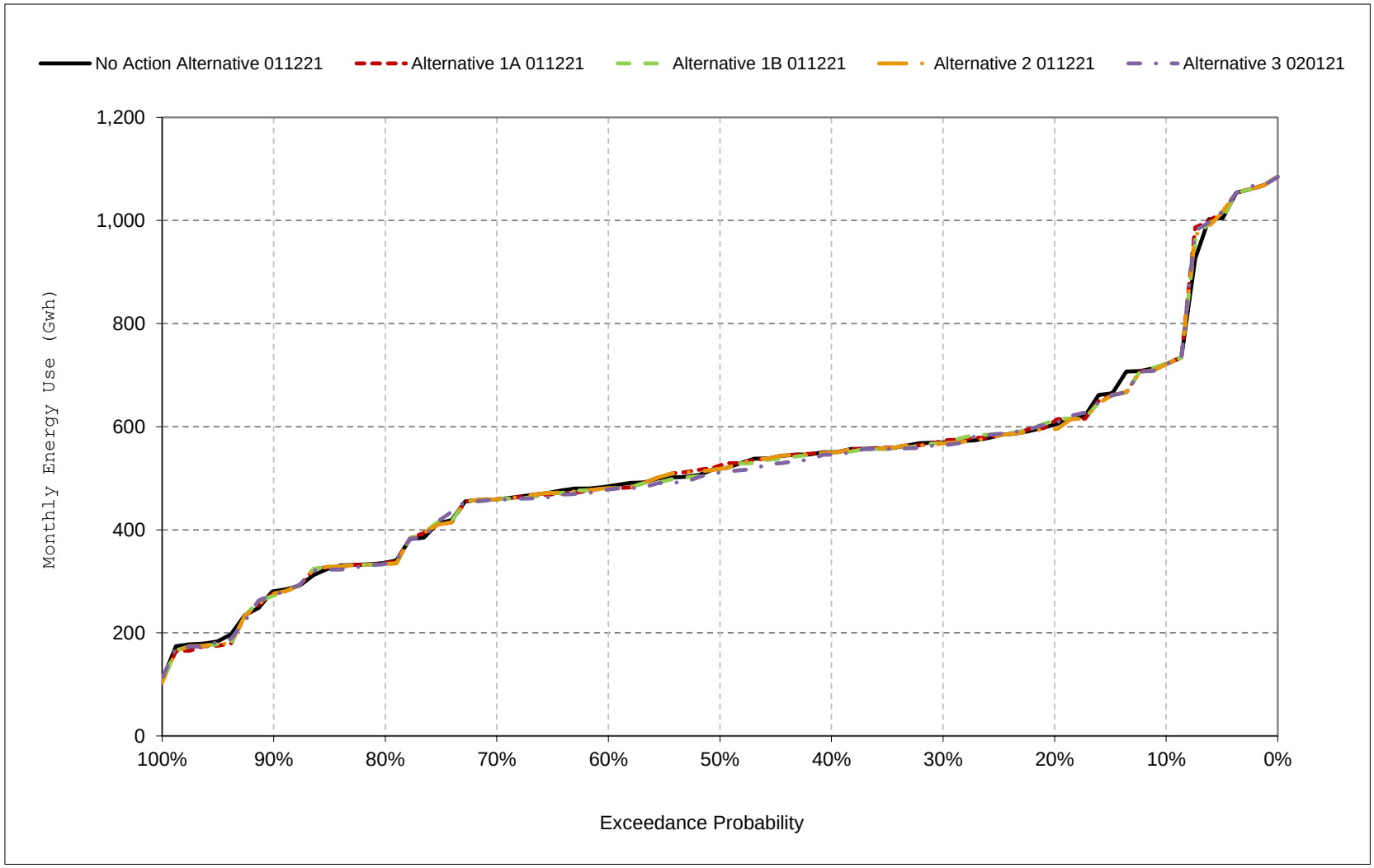
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 8-12. SWP Facilities Total Energy Use, March



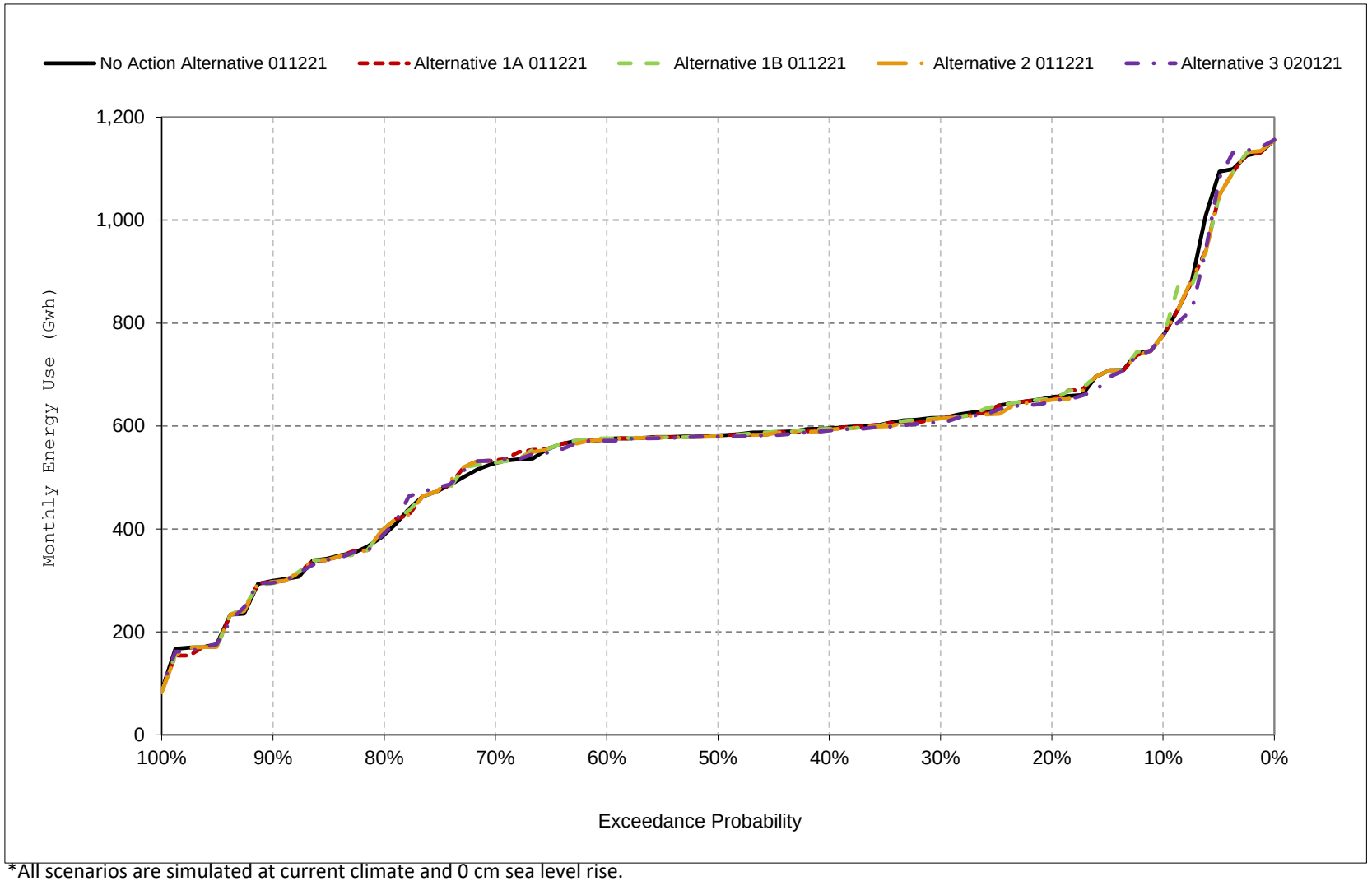
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 8-13. SWP Facilities Total Energy Use, April



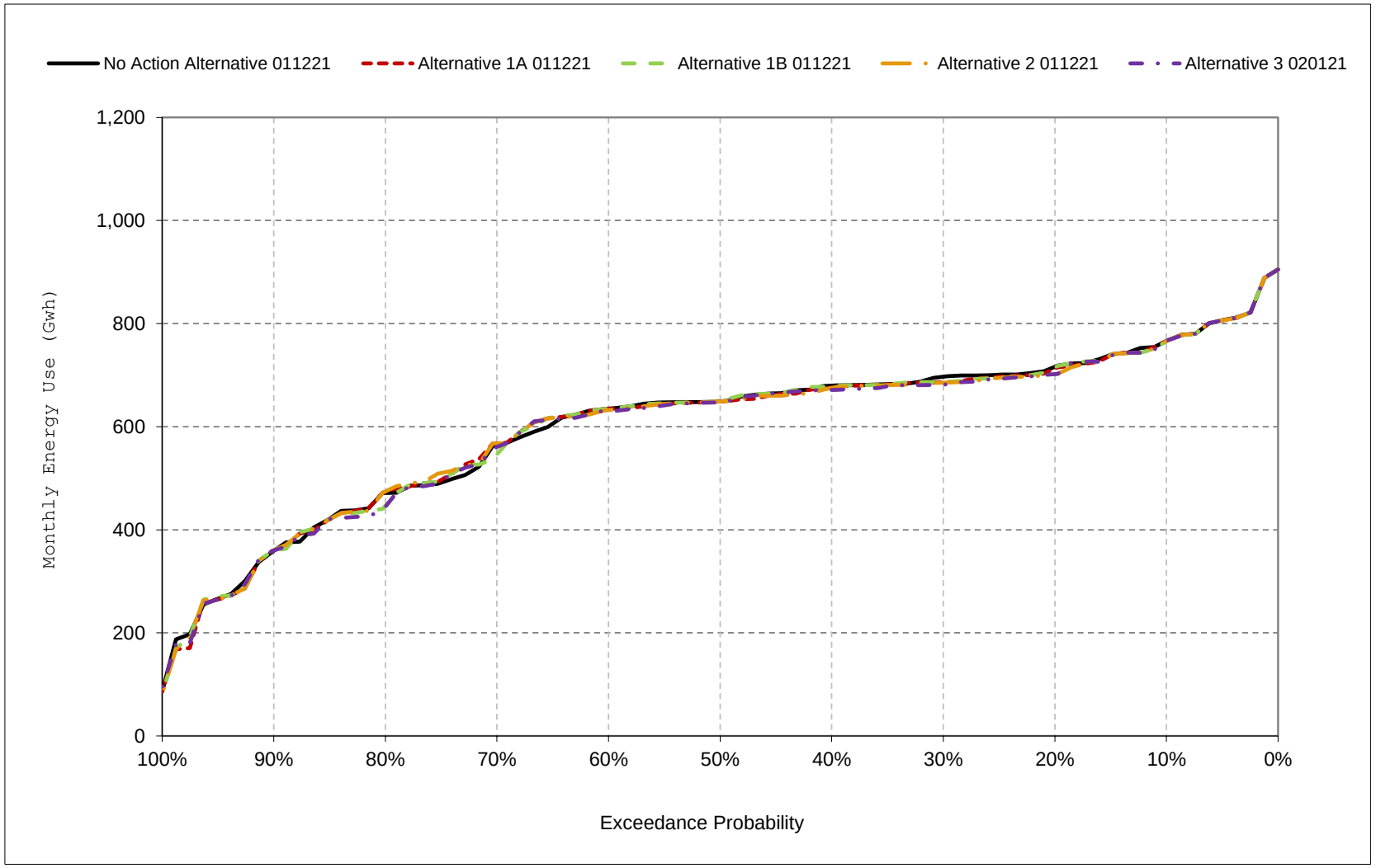
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 8-14. SWP Facilities Total Energy Use, May



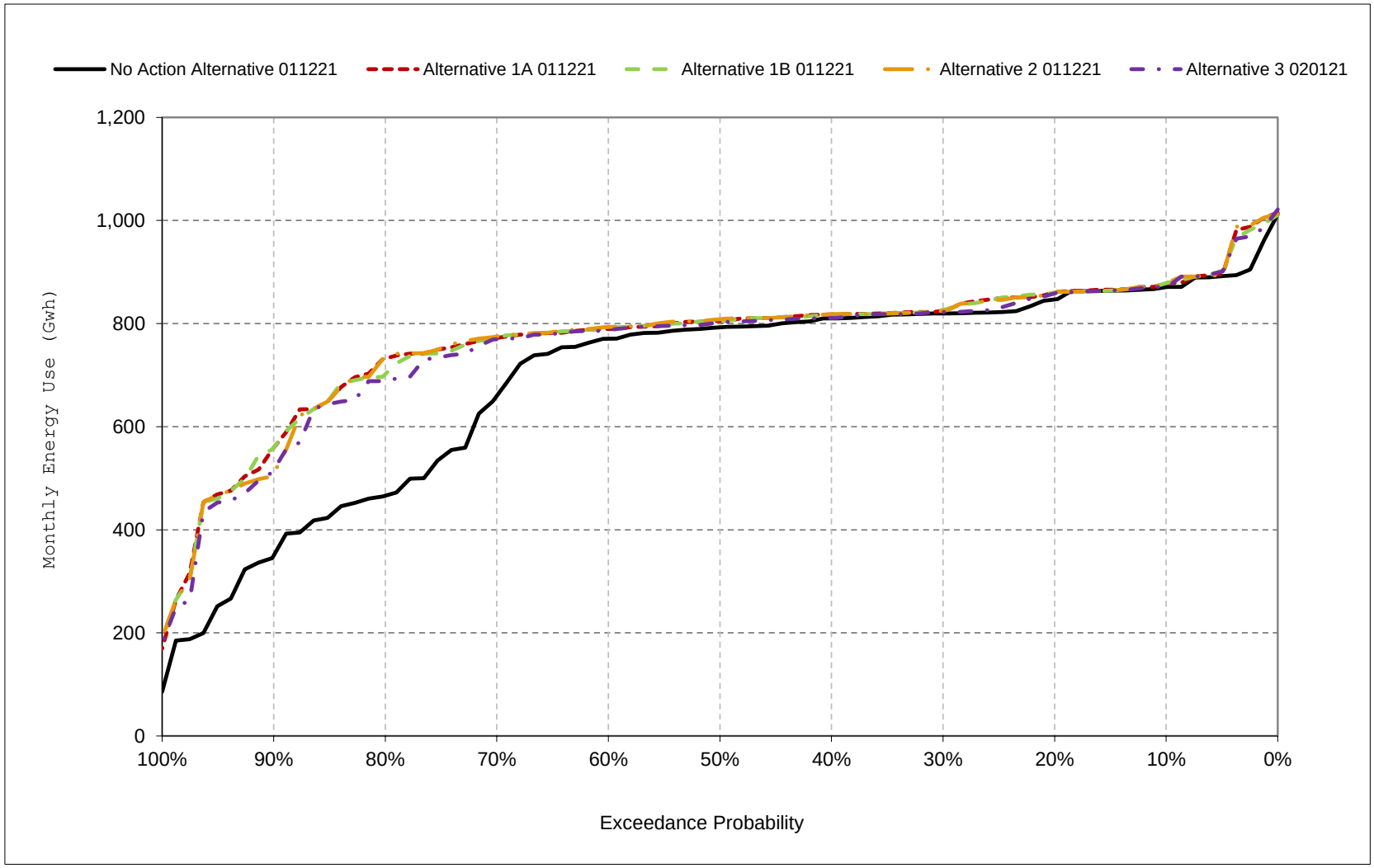
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 8-15. SWP Facilities Total Energy Use, June



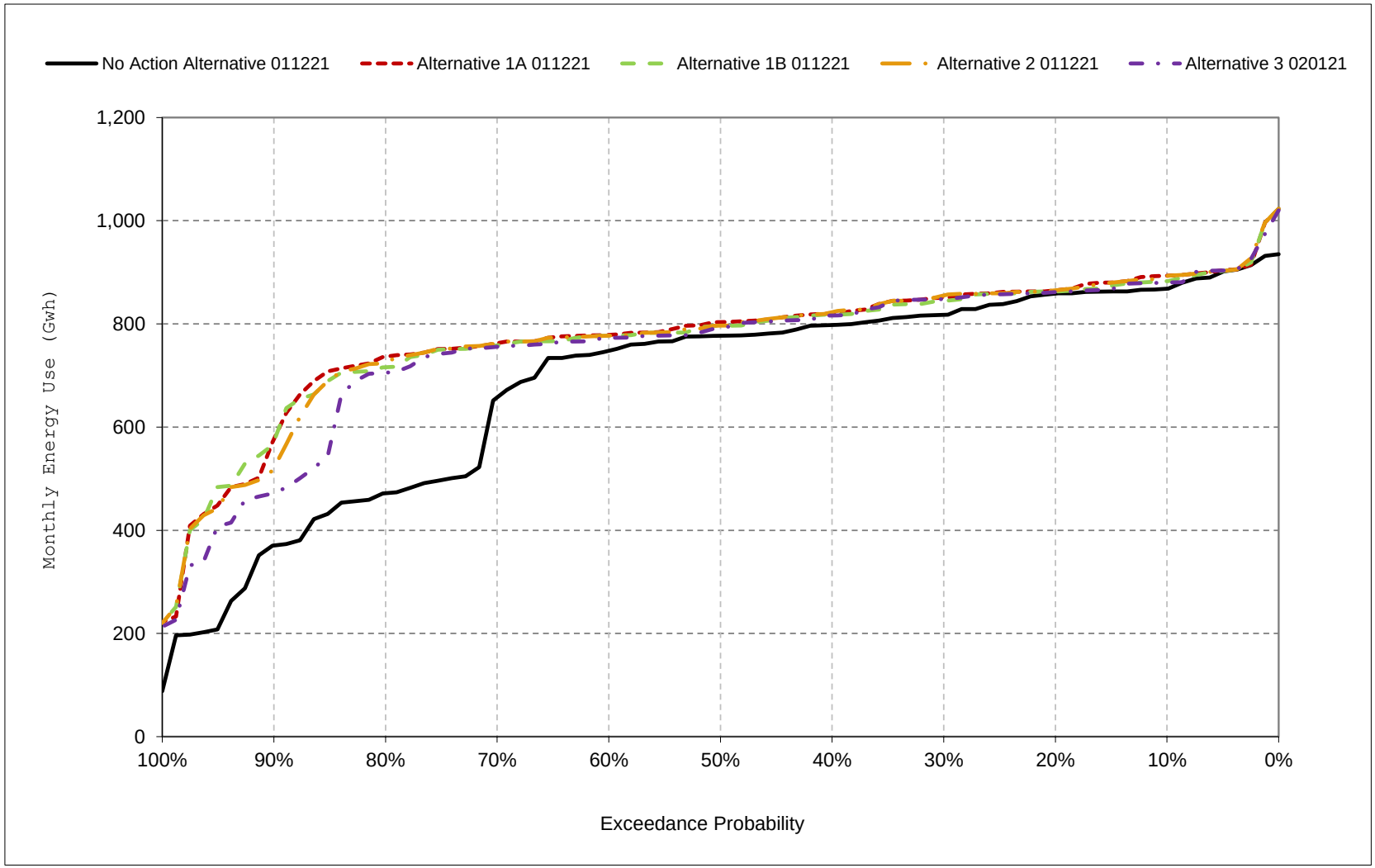
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 8-16. SWP Facilities Total Energy Use, July



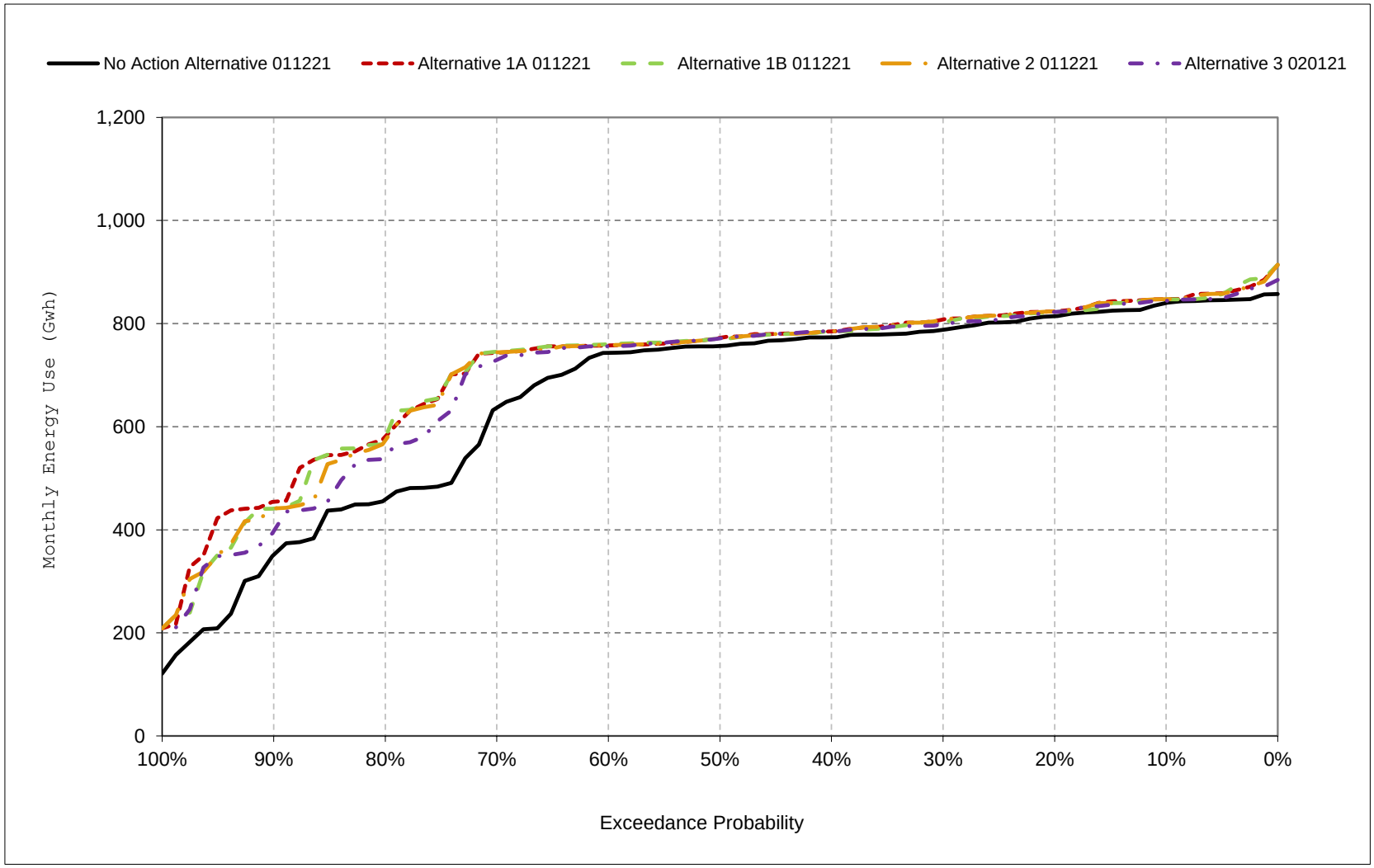
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 8-17. SWP Facilities Total Energy Use, August



*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 8-18. SWP Facilities Total Energy Use, September



*All scenarios are simulated at current climate and 0 cm sea level rise.

Table 9-1a. SWP Facilities Net Generation, No Action Alternative 011221, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-197	-152	-115	-61	-37	-35	-58	-13	-41	-69	-167	-206
20%	-227	-207	-167	-83	-82	-94	-114	-66	-111	-120	-224	-254
30%	-306	-272	-205	-94	-111	-119	-123	-113	-137	-154	-247	-272
40%	-335	-342	-233	-126	-136	-160	-170	-147	-174	-175	-264	-297
50%	-375	-365	-277	-161	-171	-179	-189	-173	-202	-196	-288	-314
60%	-390	-390	-318	-213	-207	-217	-214	-198	-213	-226	-324	-332
70%	-425	-418	-376	-287	-260	-268	-252	-231	-230	-264	-340	-359
80%	-469	-430	-407	-367	-380	-305	-280	-252	-256	-305	-377	-411
90%	-493	-491	-467	-515	-457	-436	-353	-302	-314	-398	-439	-481
Long Term												
Full Simulation Period[a]	-351	-339	-282	-215	-208	-202	-198	-170	-185	-215	-296	-323
Water Year Types[b,c]												
Wet (32%)	-370	-378	-261	-247	-244	-178	-206	-144	-206	-297	-357	-317
Above Normal (15%)	-411	-433	-361	-289	-251	-244	-227	-211	-243	-217	-291	-310
Below Normal (17%)	-475	-414	-368	-287	-265	-287	-259	-268	-260	-232	-339	-449
Dry (22%)	-297	-275	-238	-142	-145	-181	-189	-156	-126	-156	-252	-317
Critical (15%)	-186	-166	-216	-101	-116	-143	-95	-90	-80	-100	-187	-207

Table 9-1b. SWP Facilities Net Generation, Alternative 1A 011221, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-236	-188	-115	-61	-33	-32	-57	-14	-54	-138	-245	-253
20%	-296	-274	-168	-83	-82	-91	-114	-66	-116	-172	-266	-276
30%	-339	-341	-210	-99	-111	-121	-125	-115	-150	-200	-293	-307
40%	-375	-367	-243	-124	-135	-160	-167	-141	-189	-224	-323	-318
50%	-392	-391	-279	-161	-168	-183	-184	-178	-208	-260	-341	-339
60%	-431	-420	-320	-231	-215	-218	-216	-207	-220	-292	-377	-368
70%	-450	-428	-373	-287	-254	-258	-259	-230	-236	-354	-419	-399
80%	-505	-446	-415	-365	-379	-301	-281	-252	-259	-399	-465	-466
90%	-548	-512	-465	-515	-455	-436	-353	-302	-314	-431	-499	-512
Long Term												
Full Simulation Period[a]	-390	-367	-287	-217	-207	-200	-198	-169	-193	-272	-356	-361
Water Year Types[b,c]												
Wet (32%)	-366	-376	-262	-249	-242	-174	-208	-141	-207	-298	-357	-317
Above Normal (15%)	-412	-433	-361	-296	-258	-250	-225	-211	-243	-216	-290	-310
Below Normal (17%)	-499	-453	-368	-290	-266	-289	-255	-266	-263	-242	-351	-454
Dry (22%)	-422	-352	-245	-140	-143	-182	-191	-159	-153	-312	-411	-412
Critical (15%)	-245	-201	-232	-100	-108	-132	-93	-88	-92	-247	-339	-324

Table 9-1c. SWP Facilities Net Generation, Alternative 1A 011221 minus No Action Alternative 011221, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-40	-36	0	0	4	4	2	-1	-13	-68	-78	-47
20%	-69	-67	-1	0	0	4	0	1	-6	-52	-43	-22
30%	-32	-69	-5	-5	1	-2	-2	-2	-13	-46	-46	-35
40%	-39	-24	-10	1	2	0	3	5	-16	-49	-59	-21
50%	-17	-26	-2	0	3	-3	5	-6	-6	-64	-53	-26
60%	-41	-30	-2	-18	-8	-1	-2	-10	-7	-65	-53	-35
70%	-25	-10	3	0	6	9	-6	1	-7	-90	-79	-39
80%	-36	-16	-8	2	2	4	0	0	-4	-94	-88	-55
90%	-55	-21	1	0	2	0	0	0	0	-34	-61	-32
Long Term												
Full Simulation Period[a]	-39	-28	-5	-2	1	1	0	1	-8	-57	-59	-39
Water Year Types[b,c]												
Wet (32%)	4	2	-2	-2	2	4	-3	3	-1	-1	0	0
Above Normal (15%)	0	0	0	-6	-7	-6	2	0	-1	1	0	0
Below Normal (17%)	-24	-38	-1	-3	-1	-1	4	2	-3	-10	-12	-5
Dry (22%)	-126	-77	-7	2	2	-1	-2	-3	-27	-156	-159	-95
Critical (15%)	-59	-34	-16	1	8	10	2	2	-12	-147	-152	-116

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 9-2a. SWP Facilities Net Generation, No Action Alternative 011221, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-197	-152	-115	-61	-37	-35	-58	-13	-41	-69	-167	-206
20%	-227	-207	-167	-83	-82	-94	-114	-66	-111	-120	-224	-254
30%	-306	-272	-205	-94	-111	-119	-123	-113	-137	-154	-247	-272
40%	-335	-342	-233	-126	-136	-160	-170	-147	-174	-175	-264	-297
50%	-375	-365	-277	-161	-171	-179	-189	-173	-202	-196	-288	-314
60%	-390	-390	-318	-213	-207	-217	-214	-198	-213	-226	-324	-332
70%	-425	-418	-376	-287	-260	-268	-252	-231	-230	-264	-340	-359
80%	-469	-430	-407	-367	-380	-305	-280	-252	-256	-305	-377	-411
90%	-493	-491	-467	-515	-457	-436	-353	-302	-314	-398	-439	-481
Long Term												
Full Simulation Period[a]	-351	-339	-282	-215	-208	-202	-198	-170	-185	-215	-296	-323
Water Year Types[b,c]												
Wet (32%)	-370	-378	-261	-247	-244	-178	-206	-144	-206	-297	-357	-317
Above Normal (15%)	-411	-433	-361	-289	-251	-244	-227	-211	-243	-217	-291	-310
Below Normal (17%)	-475	-414	-368	-287	-265	-287	-259	-268	-260	-232	-339	-449
Dry (22%)	-297	-275	-238	-142	-145	-181	-189	-156	-126	-156	-252	-317
Critical (15%)	-186	-166	-216	-101	-116	-143	-95	-90	-80	-100	-187	-207

Table 9-2b. SWP Facilities Net Generation, Alternative 1B 011221, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-212	-183	-105	-49	-35	-33	-57	-12	-63	-138	-245	-251
20%	-298	-264	-157	-82	-82	-99	-113	-66	-125	-172	-266	-272
30%	-334	-334	-208	-94	-110	-128	-123	-120	-145	-200	-294	-302
40%	-364	-358	-240	-124	-139	-157	-169	-144	-186	-226	-322	-319
50%	-390	-384	-276	-148	-174	-178	-186	-180	-208	-259	-343	-339
60%	-423	-419	-331	-220	-212	-218	-213	-203	-219	-291	-373	-365
70%	-450	-428	-374	-287	-261	-260	-242	-231	-237	-351	-408	-402
80%	-496	-446	-409	-365	-376	-303	-278	-254	-262	-398	-452	-467
90%	-535	-499	-463	-531	-456	-409	-354	-301	-313	-432	-488	-513
Long Term												
Full Simulation Period[a]	-386	-363	-283	-213	-209	-201	-197	-169	-194	-271	-352	-358
Water Year Types[b,c]												
Wet (32%)	-367	-378	-262	-234	-244	-173	-206	-142	-207	-299	-358	-318
Above Normal (15%)	-410	-433	-360	-299	-259	-241	-228	-210	-240	-215	-287	-311
Below Normal (17%)	-490	-451	-367	-290	-267	-296	-251	-265	-265	-241	-350	-451
Dry (22%)	-417	-336	-227	-141	-143	-182	-191	-160	-154	-305	-400	-399
Critical (15%)	-236	-200	-234	-101	-117	-138	-94	-90	-94	-250	-338	-322

Table 9-2c. SWP Facilities Net Generation, Alternative 1B 011221 minus No Action Alternative 011221, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-16	-31	10	12	3	2	2	1	-22	-69	-78	-45
20%	-71	-57	10	1	0	-4	0	1	-15	-52	-42	-18
30%	-27	-62	-2	0	1	-9	0	-7	-8	-46	-47	-29
40%	-29	-16	-7	2	-2	3	1	2	-12	-51	-58	-22
50%	-15	-19	1	13	-3	2	3	-7	-5	-63	-55	-26
60%	-33	-28	-13	-7	-5	-1	1	-6	-6	-65	-49	-32
70%	-25	-10	2	0	-1	7	11	0	-7	-87	-68	-42
80%	-28	-16	-2	2	4	1	3	-2	-7	-93	-75	-56
90%	-42	-8	4	-15	2	27	-2	1	0	-34	-49	-32
Long Term												
Full Simulation Period[a]	-35	-25	-1	2	-1	1	1	0	-9	-56	-56	-35
Water Year Types[b,c]												
Wet (32%)	3	0	-1	13	1	5	0	1	-1	-1	-1	-1
Above Normal (15%)	1	0	0	-9	-8	2	-1	1	2	2	3	0
Below Normal (17%)	-15	-36	0	-3	-2	-9	8	2	-5	-9	-11	-1
Dry (22%)	-121	-61	11	1	2	-1	-2	-4	-27	-148	-147	-81
Critical (15%)	-49	-34	-18	0	-1	5	1	0	-14	-150	-151	-115

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 9-3a. SWP Facilities Net Generation, No Action Alternative 011221, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-197	-152	-115	-61	-37	-35	-58	-13	-41	-69	-167	-206
20%	-227	-207	-167	-83	-82	-94	-114	-66	-111	-120	-224	-254
30%	-306	-272	-205	-94	-111	-119	-123	-113	-137	-154	-247	-272
40%	-335	-342	-233	-126	-136	-160	-170	-147	-174	-175	-264	-297
50%	-375	-365	-277	-161	-171	-179	-189	-173	-202	-196	-288	-314
60%	-390	-390	-318	-213	-207	-217	-214	-198	-213	-226	-324	-332
70%	-425	-418	-376	-287	-260	-268	-252	-231	-230	-264	-340	-359
80%	-469	-430	-407	-367	-380	-305	-280	-252	-256	-305	-377	-411
90%	-493	-491	-467	-515	-457	-436	-353	-302	-314	-398	-439	-481
Long Term												
Full Simulation Period[a]	-351	-339	-282	-215	-208	-202	-198	-170	-185	-215	-296	-323
Water Year Types[b,c]												
Wet (32%)	-370	-378	-261	-247	-244	-178	-206	-144	-206	-297	-357	-317
Above Normal (15%)	-411	-433	-361	-289	-251	-244	-227	-211	-243	-217	-291	-310
Below Normal (17%)	-475	-414	-368	-287	-265	-287	-259	-268	-260	-232	-339	-449
Dry (22%)	-297	-275	-238	-142	-145	-181	-189	-156	-126	-156	-252	-317
Critical (15%)	-186	-166	-216	-101	-116	-143	-95	-90	-80	-100	-187	-207

Table 9-3b. SWP Facilities Net Generation, Alternative 2 011221, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-209	-169	-115	-61	-34	-32	-57	-11	-53	-138	-244	-251
20%	-294	-248	-168	-83	-82	-92	-114	-66	-116	-172	-266	-272
30%	-330	-331	-210	-99	-111	-121	-125	-115	-149	-198	-293	-301
40%	-363	-354	-240	-125	-138	-159	-167	-141	-187	-224	-318	-316
50%	-385	-383	-278	-161	-172	-183	-185	-178	-208	-260	-336	-336
60%	-415	-415	-323	-217	-215	-220	-216	-207	-220	-290	-377	-359
70%	-440	-427	-371	-287	-254	-259	-252	-230	-236	-350	-408	-398
80%	-492	-449	-411	-365	-381	-292	-279	-241	-259	-399	-454	-467
90%	-538	-506	-465	-517	-455	-425	-353	-297	-302	-431	-499	-509
Long Term												
Full Simulation Period[a]	-382	-361	-285	-217	-208	-200	-197	-168	-192	-271	-353	-357
Water Year Types[b,c]												
Wet (32%)	-367	-376	-262	-247	-241	-175	-207	-141	-207	-299	-357	-318
Above Normal (15%)	-411	-432	-360	-298	-259	-242	-227	-211	-245	-216	-290	-310
Below Normal (17%)	-499	-460	-366	-290	-267	-290	-252	-261	-259	-244	-353	-454
Dry (22%)	-398	-323	-239	-140	-143	-182	-191	-158	-150	-311	-410	-402
Critical (15%)	-222	-199	-231	-100	-116	-136	-94	-89	-93	-240	-321	-308

Table 9-3c. SWP Facilities Net Generation, Alternative 2 011221 minus No Action Alternative 011221, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-12	-16	0	1	3	4	2	2	-12	-69	-77	-45
20%	-67	-41	-1	1	0	2	0	1	-6	-52	-42	-18
30%	-24	-59	-5	-5	0	-3	-2	-2	-12	-44	-46	-29
40%	-27	-12	-7	1	-2	1	3	5	-13	-49	-54	-19
50%	-10	-18	-1	0	-1	-3	3	-6	-6	-64	-48	-23
60%	-25	-25	-5	-4	-8	-3	-2	-10	-7	-64	-53	-26
70%	-15	-9	5	0	6	8	0	1	-7	-86	-68	-39
80%	-23	-18	-4	2	0	12	2	11	-4	-94	-78	-57
90%	-45	-15	2	-1	2	11	0	5	12	-34	-61	-28
Long Term												
Full Simulation Period[a]	-31	-22	-3	-2	0	2	1	2	-7	-57	-57	-34
Water Year Types[b,c]												
Wet (32%)	3	2	-1	0	4	3	-1	3	-1	-1	-1	-1
Above Normal (15%)	0	1	0	-9	-7	2	0	0	-2	1	1	1
Below Normal (17%)	-24	-45	1	-4	-2	-2	7	7	1	-12	-14	-5
Dry (22%)	-102	-48	-1	2	2	-1	-2	-2	-24	-155	-158	-85
Critical (15%)	-36	-33	-16	1	-1	7	2	1	-12	-140	-134	-101

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 9-4a. SWP Facilities Net Generation, No Action Alternative 011221, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-197	-152	-115	-61	-37	-35	-58	-13	-41	-69	-167	-206
20%	-227	-207	-167	-83	-82	-94	-114	-66	-111	-120	-224	-254
30%	-306	-272	-205	-94	-111	-119	-123	-113	-137	-154	-247	-272
40%	-335	-342	-233	-126	-136	-160	-170	-147	-174	-175	-264	-297
50%	-375	-365	-277	-161	-171	-179	-189	-173	-202	-196	-288	-314
60%	-390	-390	-318	-213	-207	-217	-214	-198	-213	-226	-324	-332
70%	-425	-418	-376	-287	-260	-268	-252	-231	-230	-264	-340	-359
80%	-469	-430	-407	-367	-380	-305	-280	-252	-256	-305	-377	-411
90%	-493	-491	-467	-515	-457	-436	-353	-302	-314	-398	-439	-481
Long Term												
Full Simulation Period[a]	-351	-339	-282	-215	-208	-202	-198	-170	-185	-215	-296	-323
Water Year Types[b,c]												
Wet (32%)	-370	-378	-261	-247	-244	-178	-206	-144	-206	-297	-357	-317
Above Normal (15%)	-411	-433	-361	-289	-251	-244	-227	-211	-243	-217	-291	-310
Below Normal (17%)	-475	-414	-368	-287	-265	-287	-259	-268	-260	-232	-339	-449
Dry (22%)	-297	-275	-238	-142	-145	-181	-189	-156	-126	-156	-252	-317
Critical (15%)	-186	-166	-216	-101	-116	-143	-95	-90	-80	-100	-187	-207

Table 9-4b. SWP Facilities Net Generation, Alternative 3 020121, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-201	-166	-112	-54	-35	-35	-61	-17	-57	-134	-230	-234
20%	-267	-245	-162	-84	-82	-96	-115	-60	-117	-169	-247	-260
30%	-322	-330	-215	-99	-120	-127	-126	-116	-133	-199	-277	-296
40%	-357	-356	-251	-127	-152	-164	-168	-153	-186	-222	-299	-313
50%	-385	-380	-277	-170	-172	-187	-188	-185	-200	-249	-331	-330
60%	-415	-407	-334	-219	-210	-220	-203	-202	-219	-282	-352	-355
70%	-437	-424	-372	-292	-259	-272	-237	-230	-234	-335	-407	-387
80%	-479	-447	-405	-362	-379	-318	-275	-249	-262	-387	-446	-460
90%	-532	-496	-458	-517	-454	-442	-354	-299	-295	-414	-493	-503
Long Term												
Full Simulation Period[a]	-373	-356	-286	-218	-210	-209	-197	-168	-190	-263	-340	-349
Water Year Types[b,c]												
Wet (32%)	-364	-377	-260	-244	-239	-180	-209	-138	-206	-298	-356	-317
Above Normal (15%)	-416	-436	-360	-308	-261	-253	-229	-212	-241	-220	-291	-313
Below Normal (17%)	-485	-445	-357	-289	-269	-316	-244	-256	-256	-237	-344	-447
Dry (22%)	-384	-313	-257	-143	-151	-183	-190	-165	-147	-284	-367	-385
Critical (15%)	-202	-191	-227	-101	-117	-138	-93	-88	-88	-231	-312	-284

Table 9-4c. SWP Facilities Net Generation, Alternative 3 020121 minus No Action Alternative 011221, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-5	-13	3	8	2	0	-3	-4	-16	-65	-63	-28
20%	-40	-38	5	-1	0	-1	-2	7	-6	-49	-23	-6
30%	-16	-57	-10	-5	-9	-8	-3	-4	4	-45	-30	-24
40%	-21	-14	-19	-1	-15	-4	2	-6	-13	-47	-34	-16
50%	-10	-16	0	-9	-1	-7	0	-12	2	-52	-43	-17
60%	-25	-17	-16	-6	-3	-3	11	-5	-5	-56	-28	-23
70%	-12	-6	4	-5	1	-4	15	1	-5	-71	-66	-28
80%	-11	-17	2	5	2	-13	5	3	-7	-82	-69	-49
90%	-38	-5	9	-1	3	-7	-1	2	19	-16	-54	-22
Long Term												
Full Simulation Period[a]	-22	-17	-4	-2	-2	-7	1	2	-5	-48	-44	-26
Water Year Types[b,c]												
Wet (32%)	6	1	1	3	5	-2	-3	5	0	0	1	1
Above Normal (15%)	-4	-3	0	-18	-10	-9	-2	-1	2	-3	0	-3
Below Normal (17%)	-10	-31	10	-2	-4	-29	15	12	4	-5	-6	2
Dry (22%)	-87	-38	-19	-2	-6	-3	0	-9	-21	-128	-114	-67
Critical (15%)	-16	-25	-12	0	-1	5	2	2	-8	-131	-125	-77

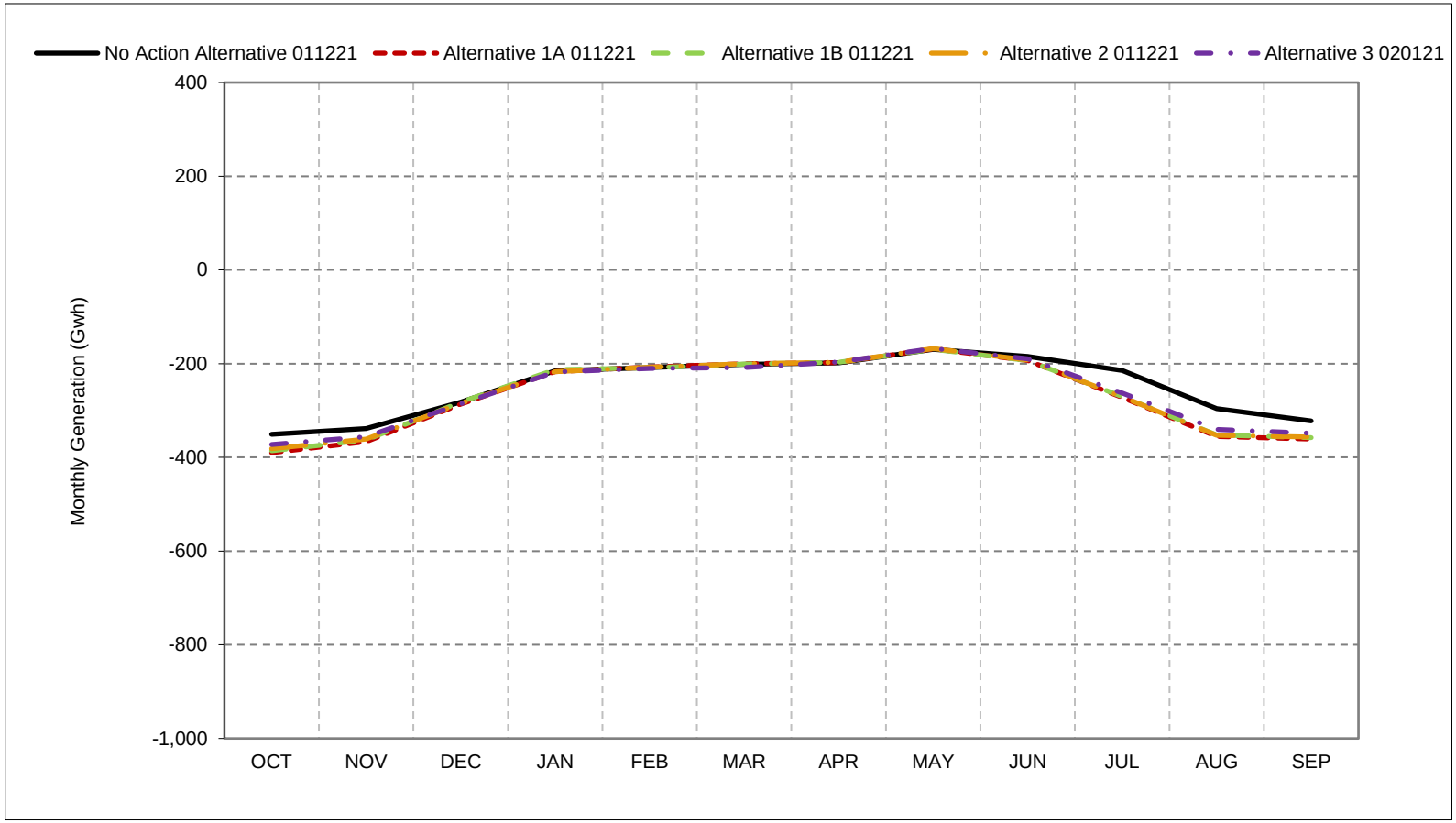
a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 9-1. SWP Facilities Net Generation, Long-Term Average Generation

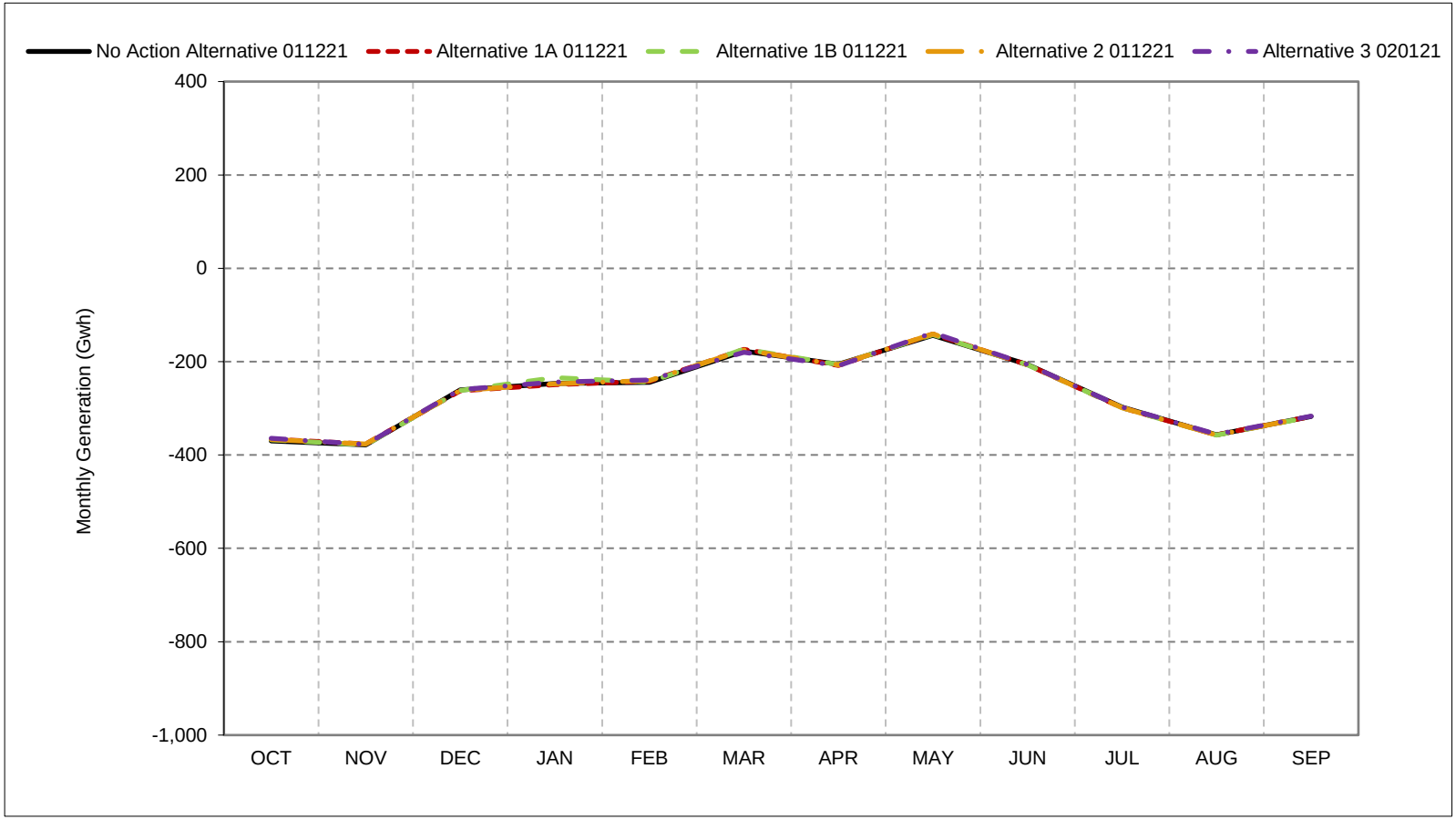


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 9-2. SWP Facilities Net Generation, Wet Year Average Generation

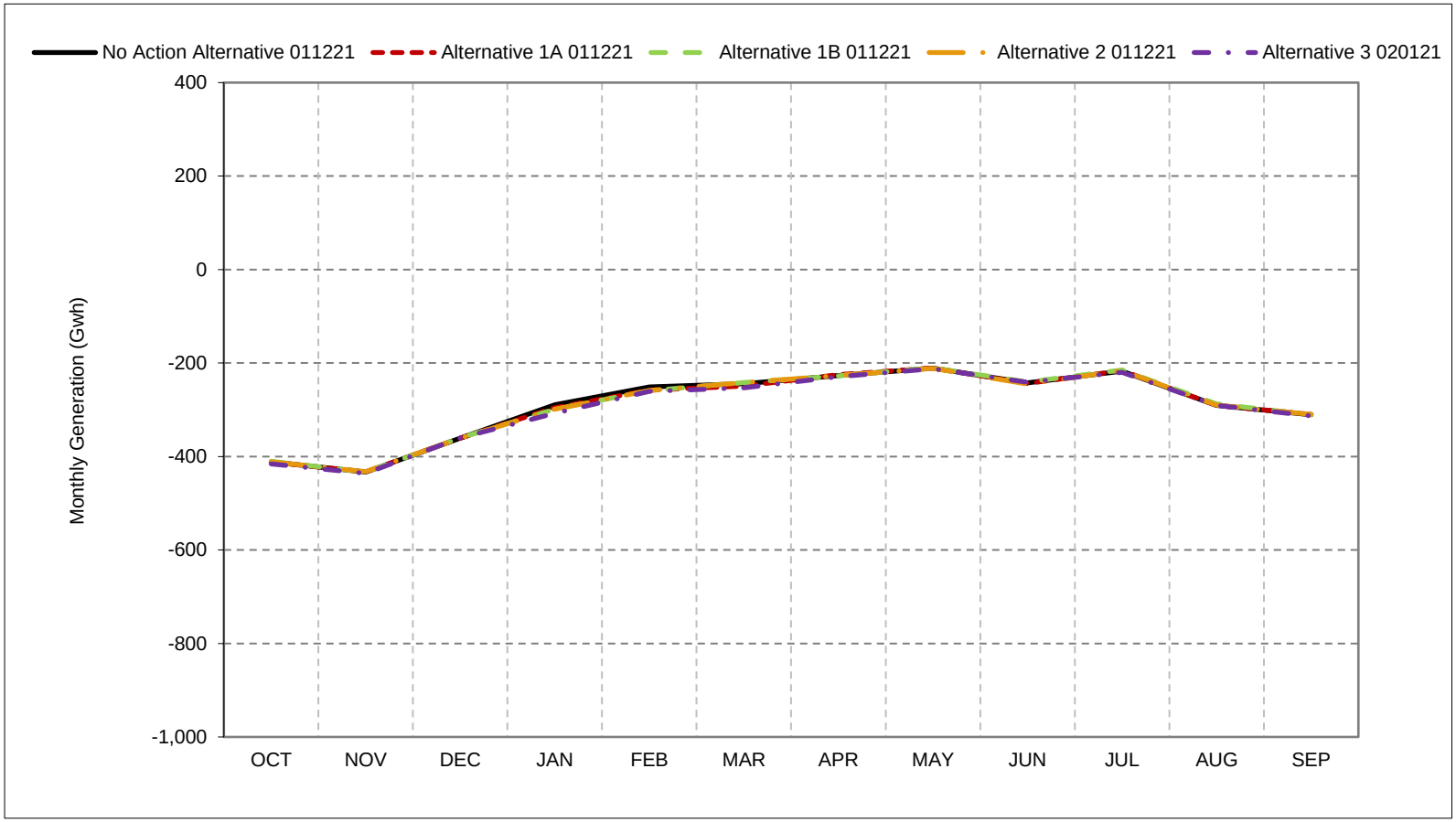


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 9-3. SWP Facilities Net Generation, Above Normal Year Average Generation

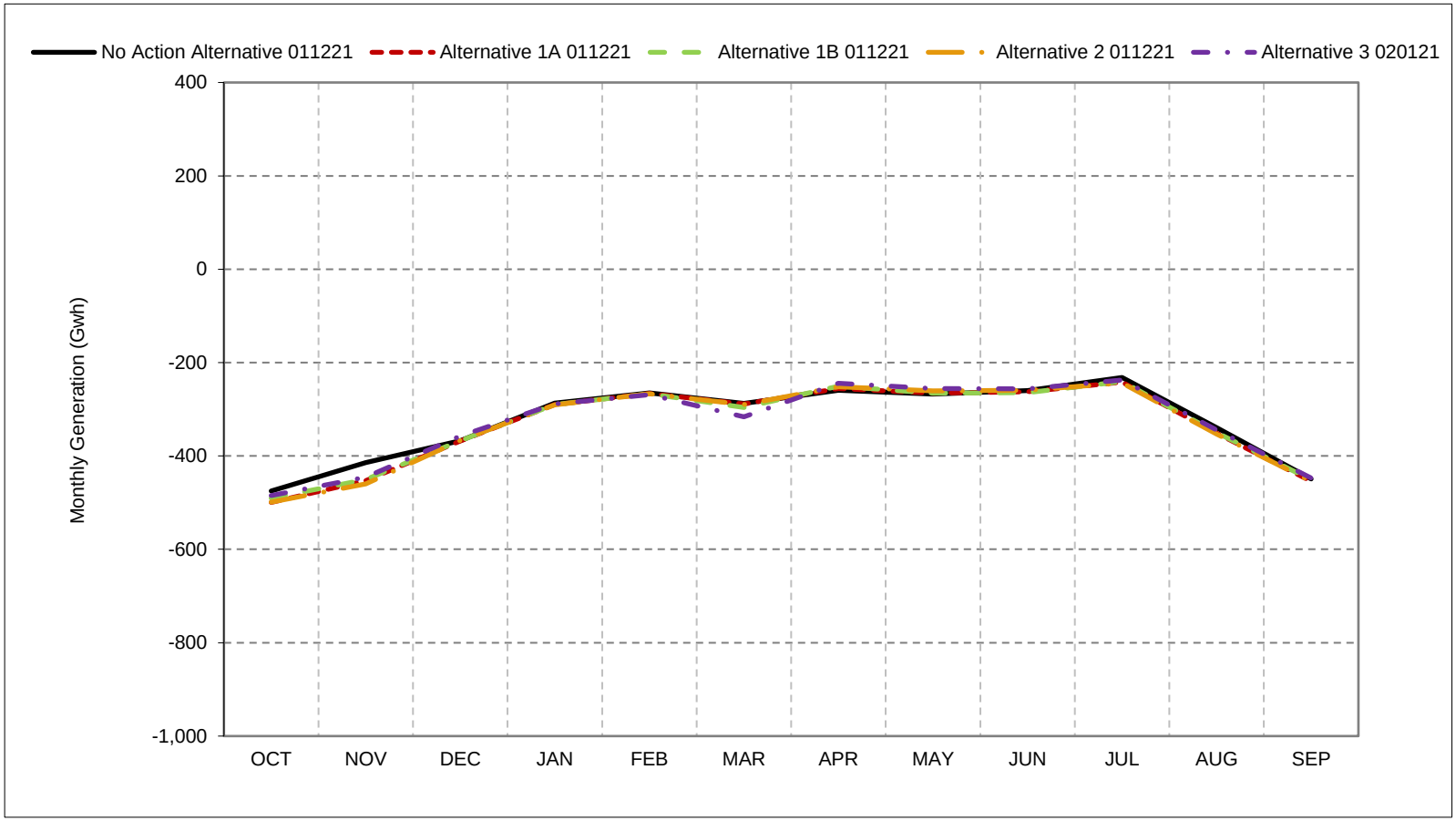


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 9-4. SWP Facilities Net Generation, Below Normal Year Average Generation

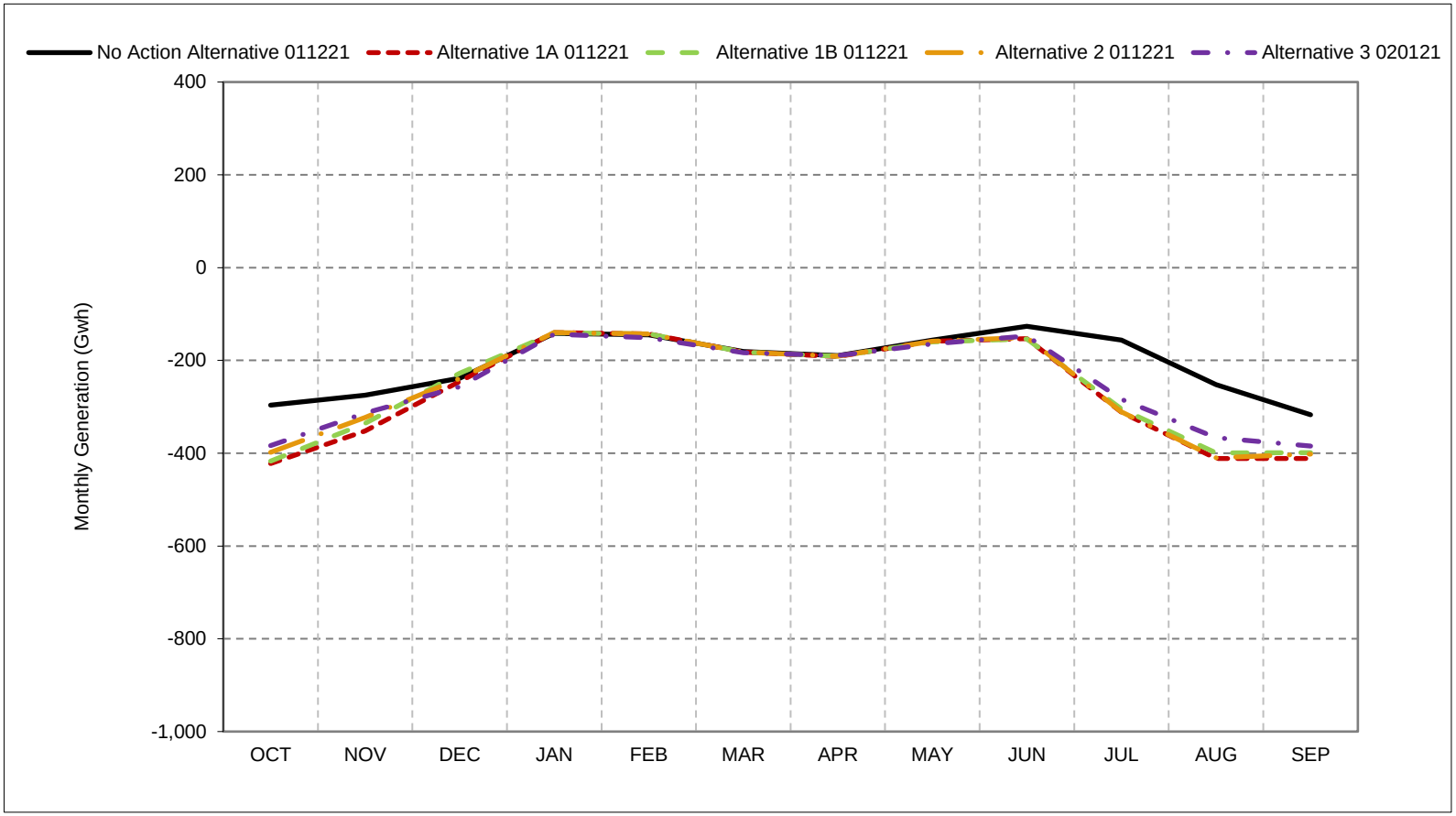


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 9-5. SWP Facilities Net Generation, Dry Year Average Generation

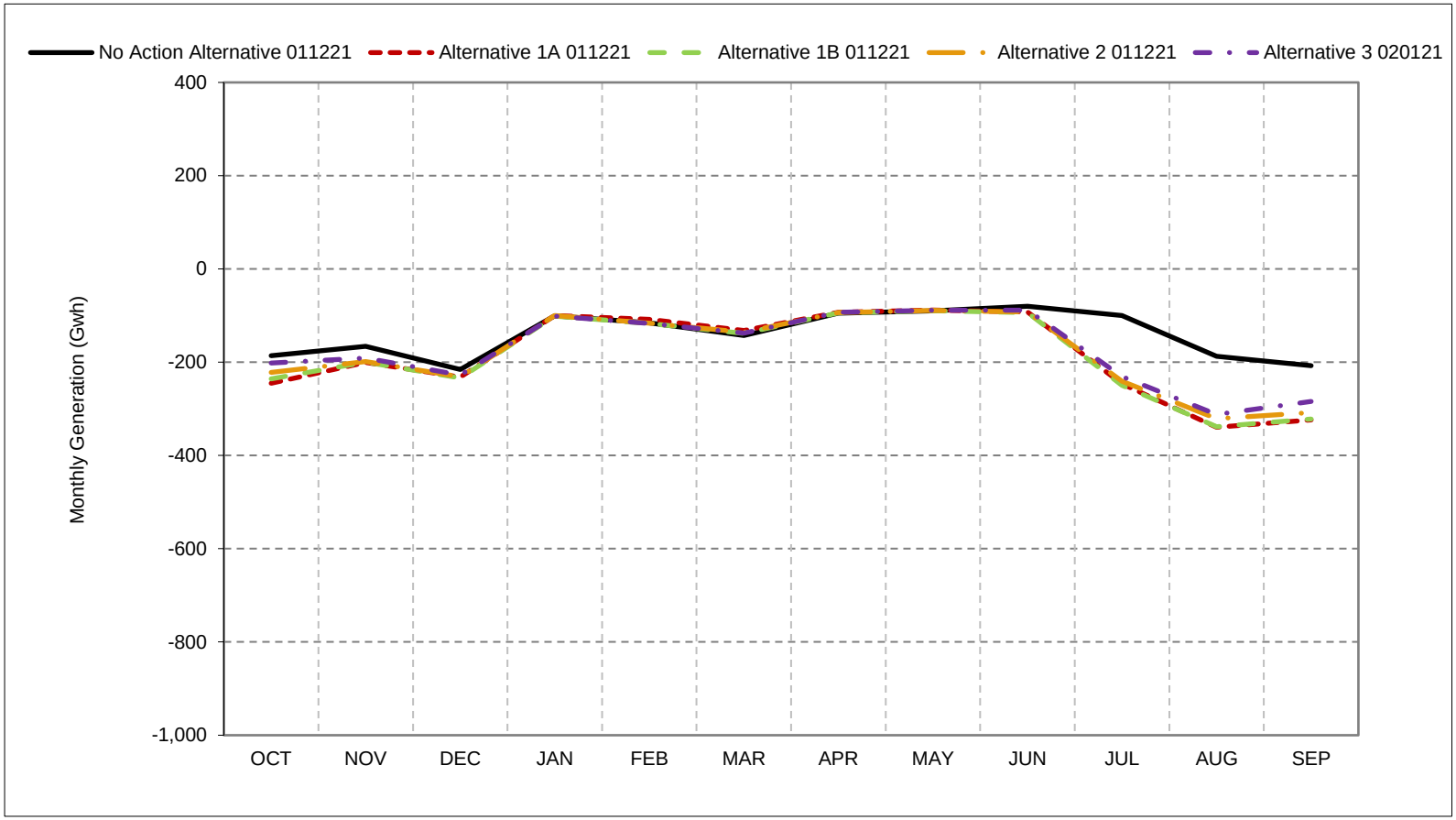


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 9-6. SWP Facilities Net Generation, Critical Year Average Generation

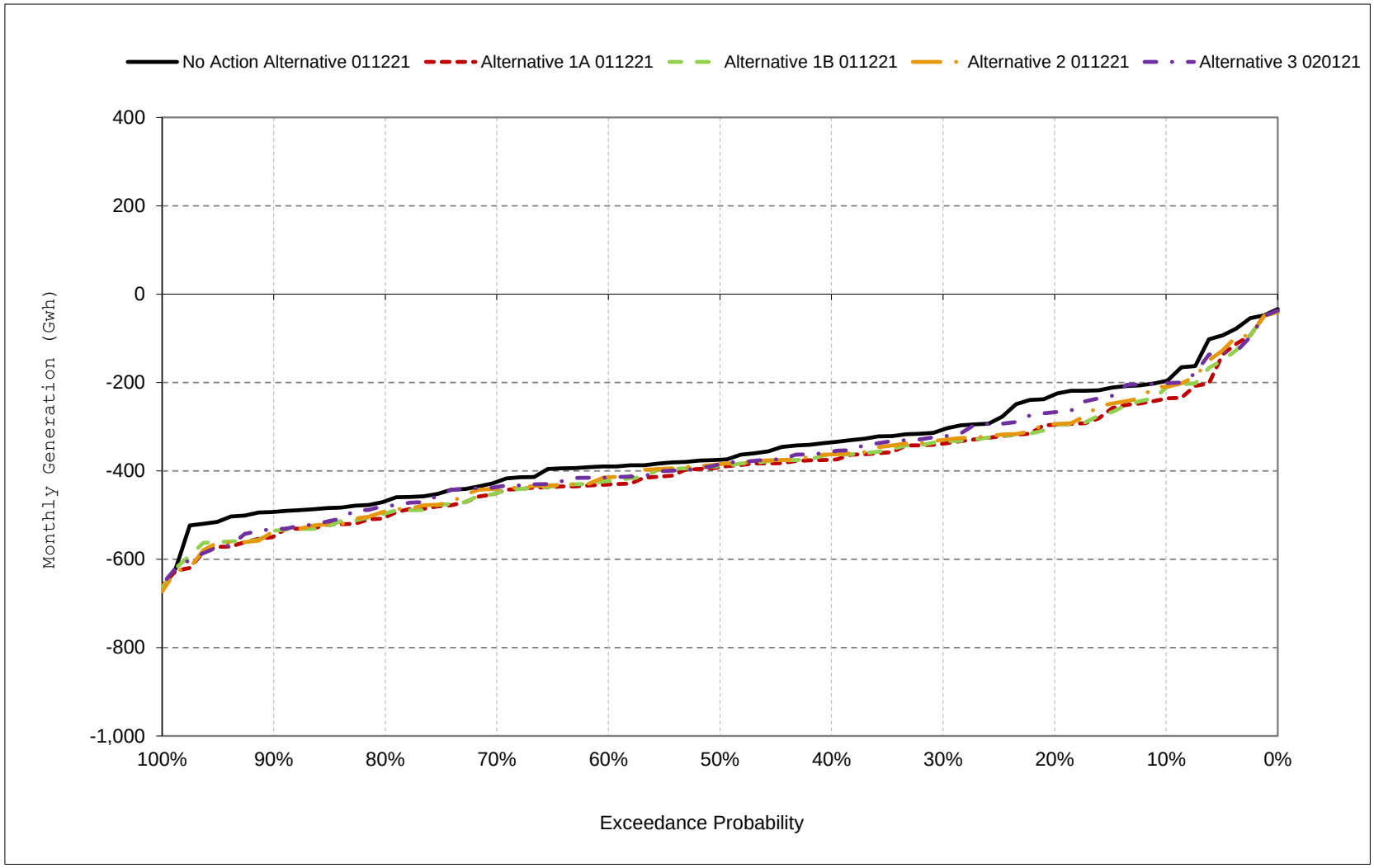


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

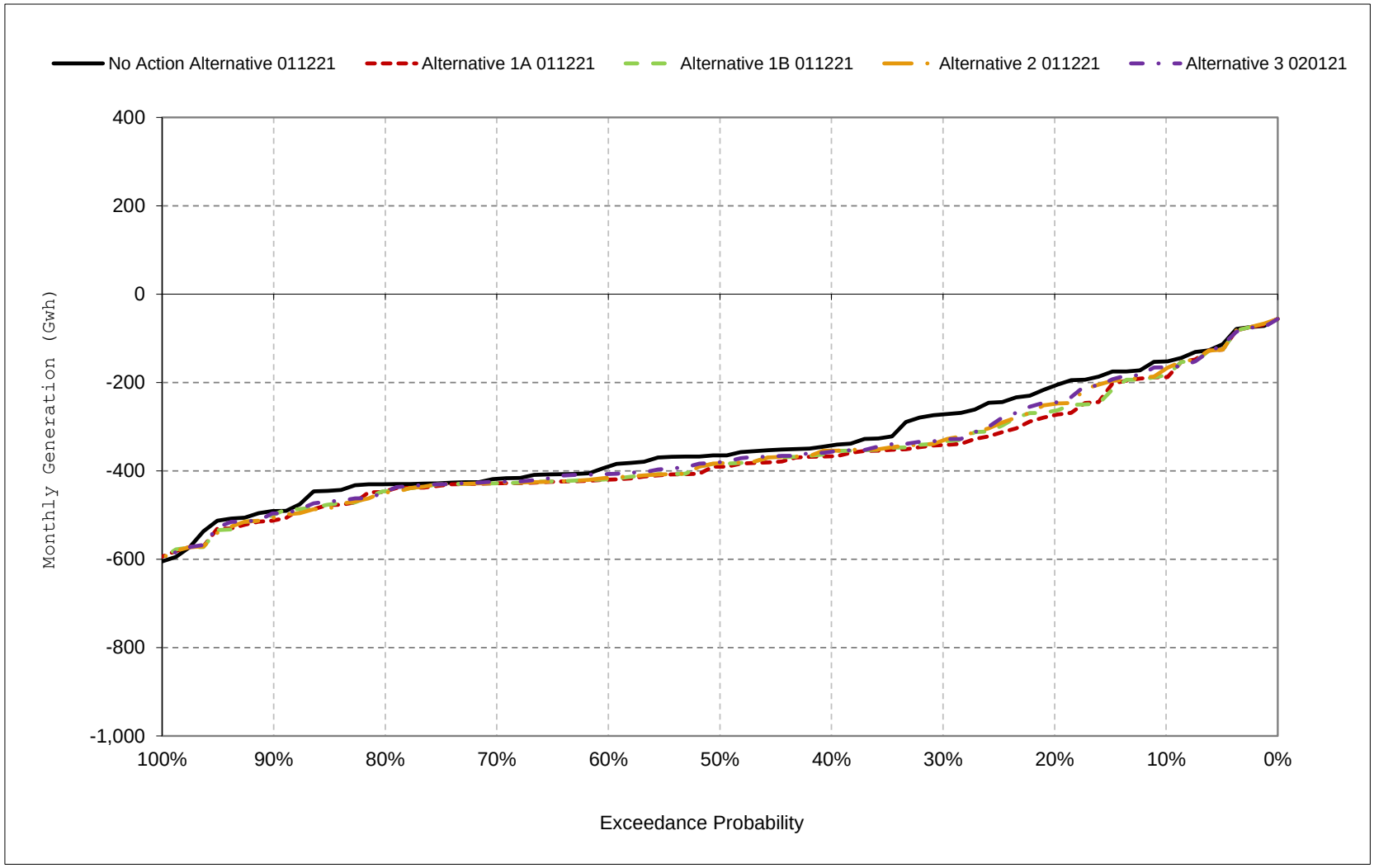
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 9-7. SWP Facilities Net Generation, October



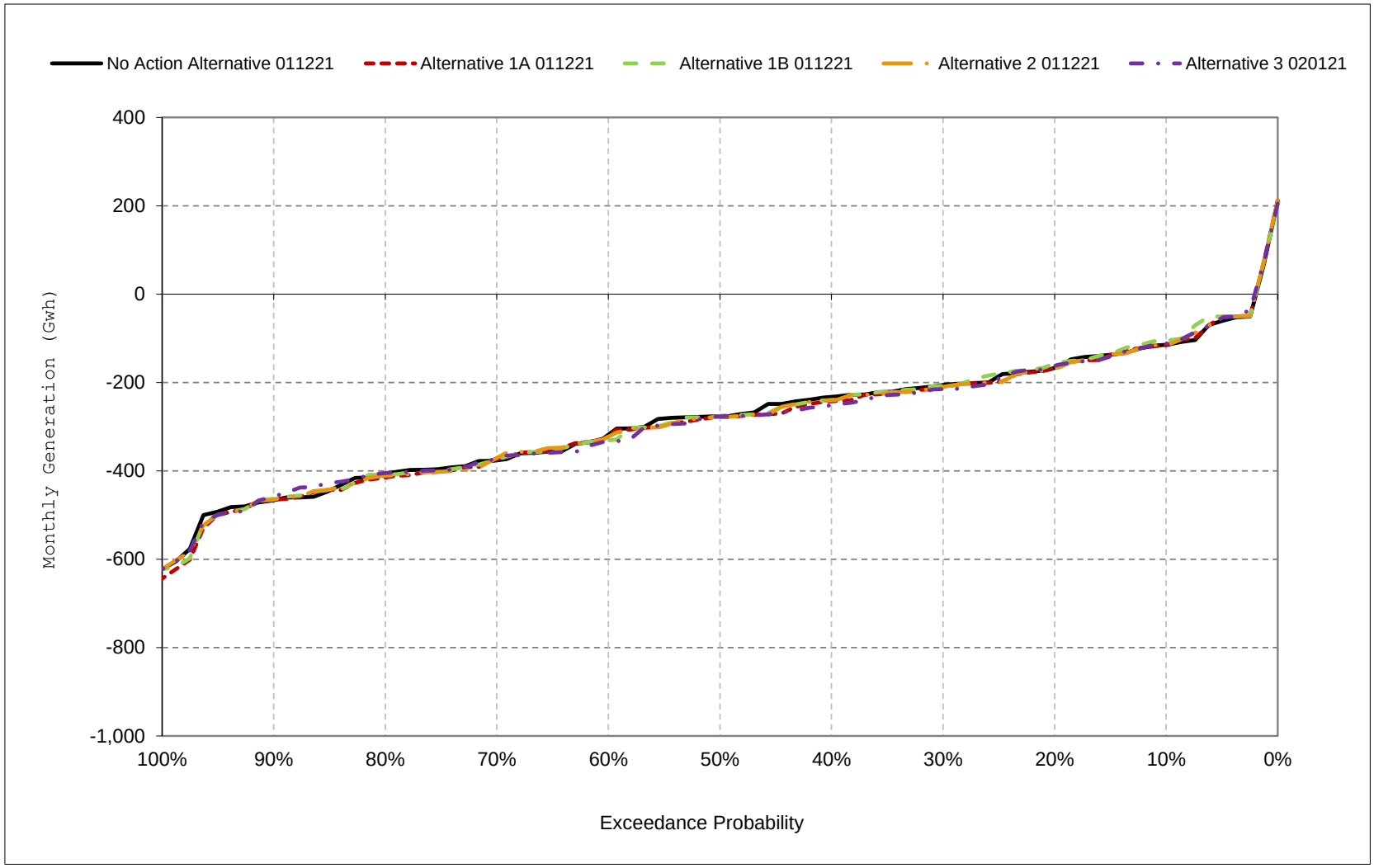
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 9-8. SWP Facilities Net Generation, November



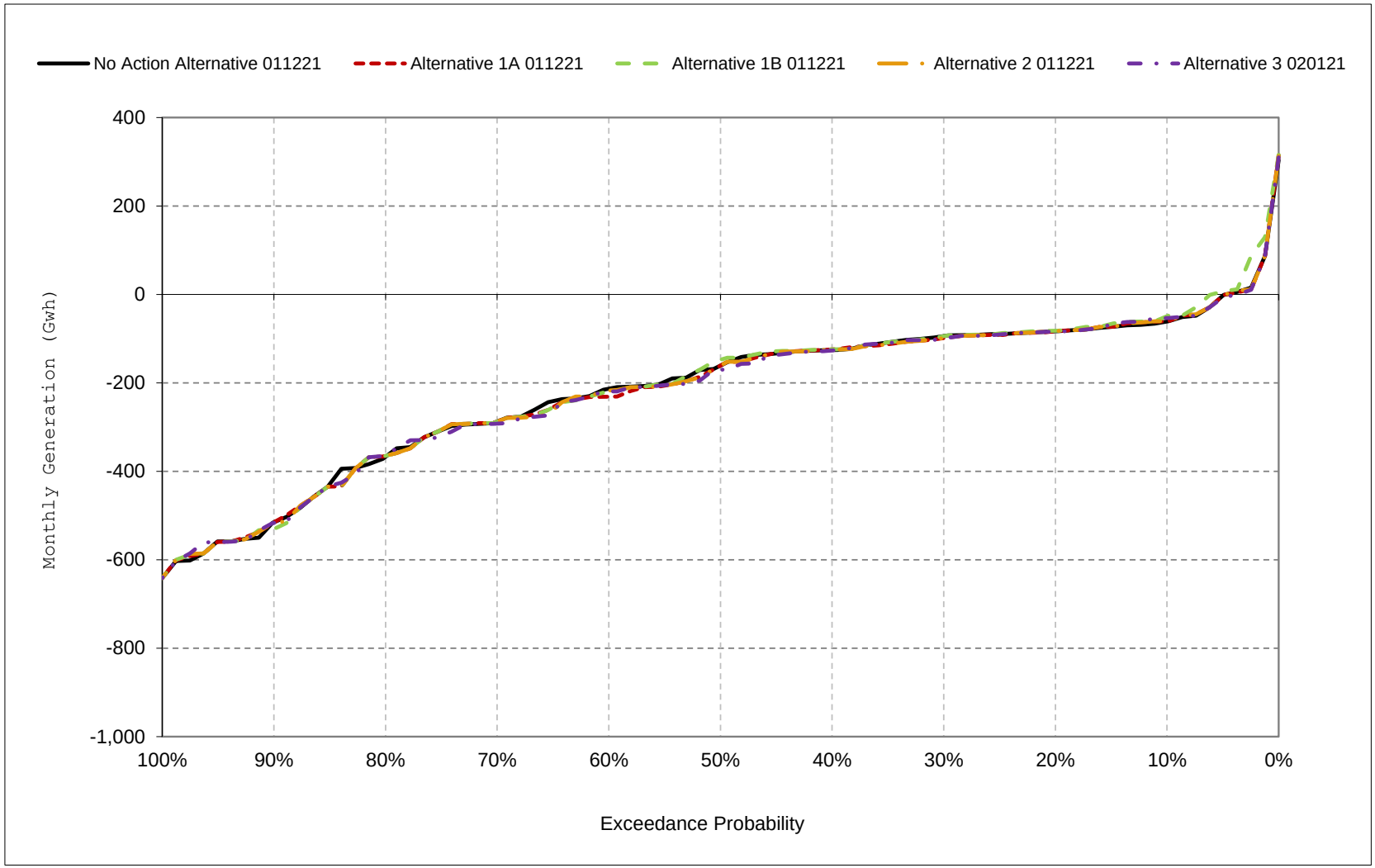
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 9-9. SWP Facilities Net Generation, December



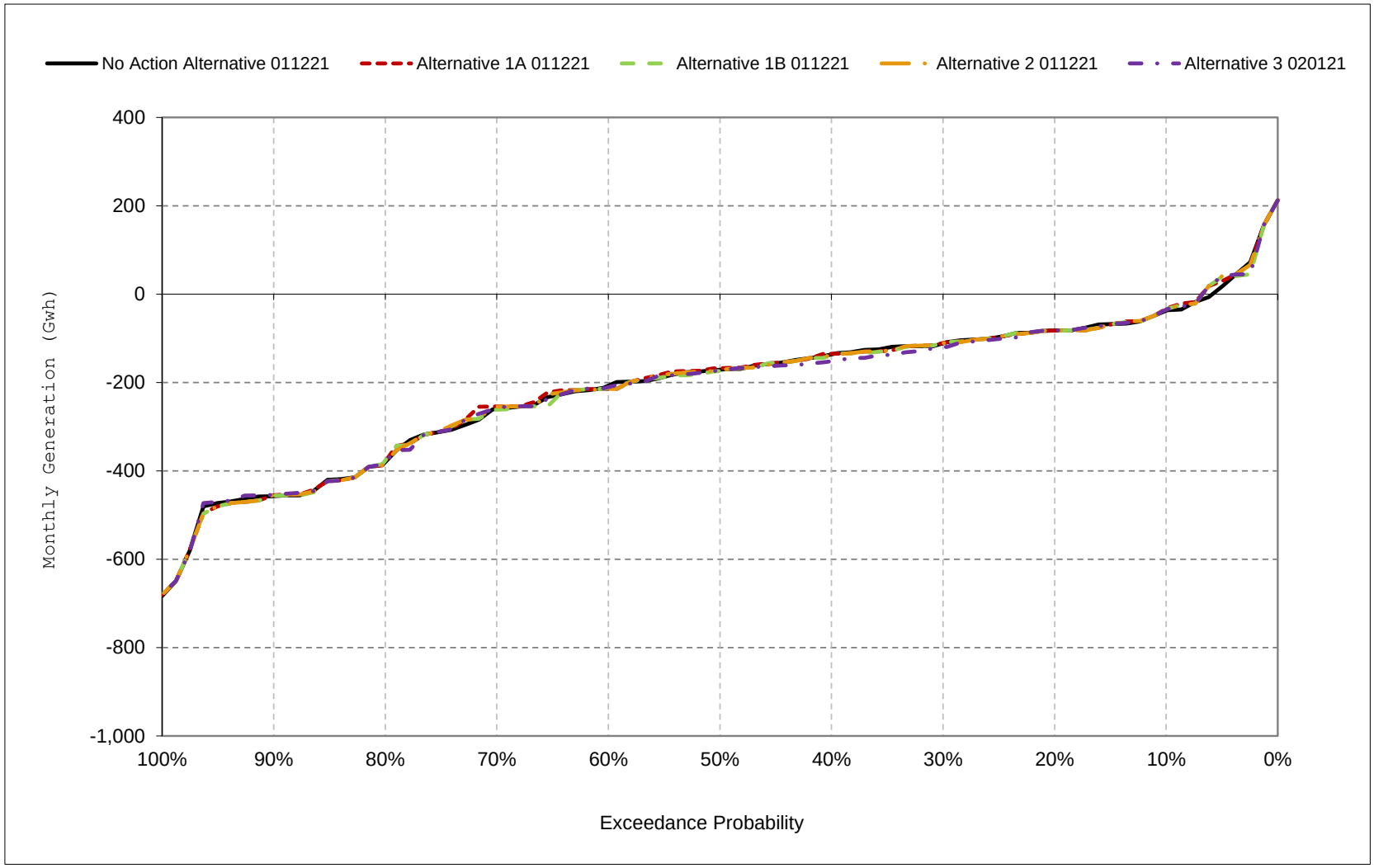
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 9-10. SWP Facilities Net Generation, January



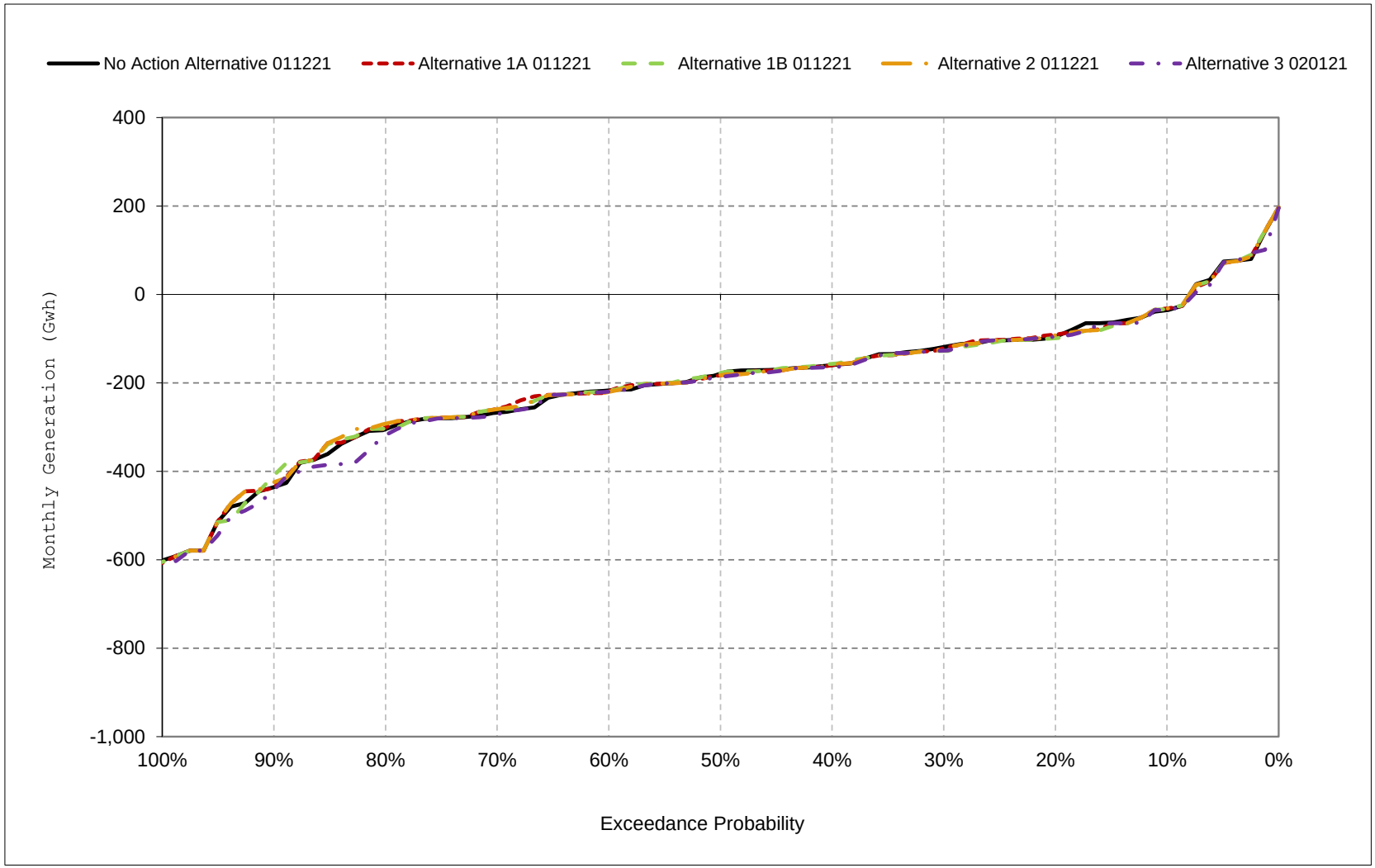
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 9-11. SWP Facilities Net Generation, February



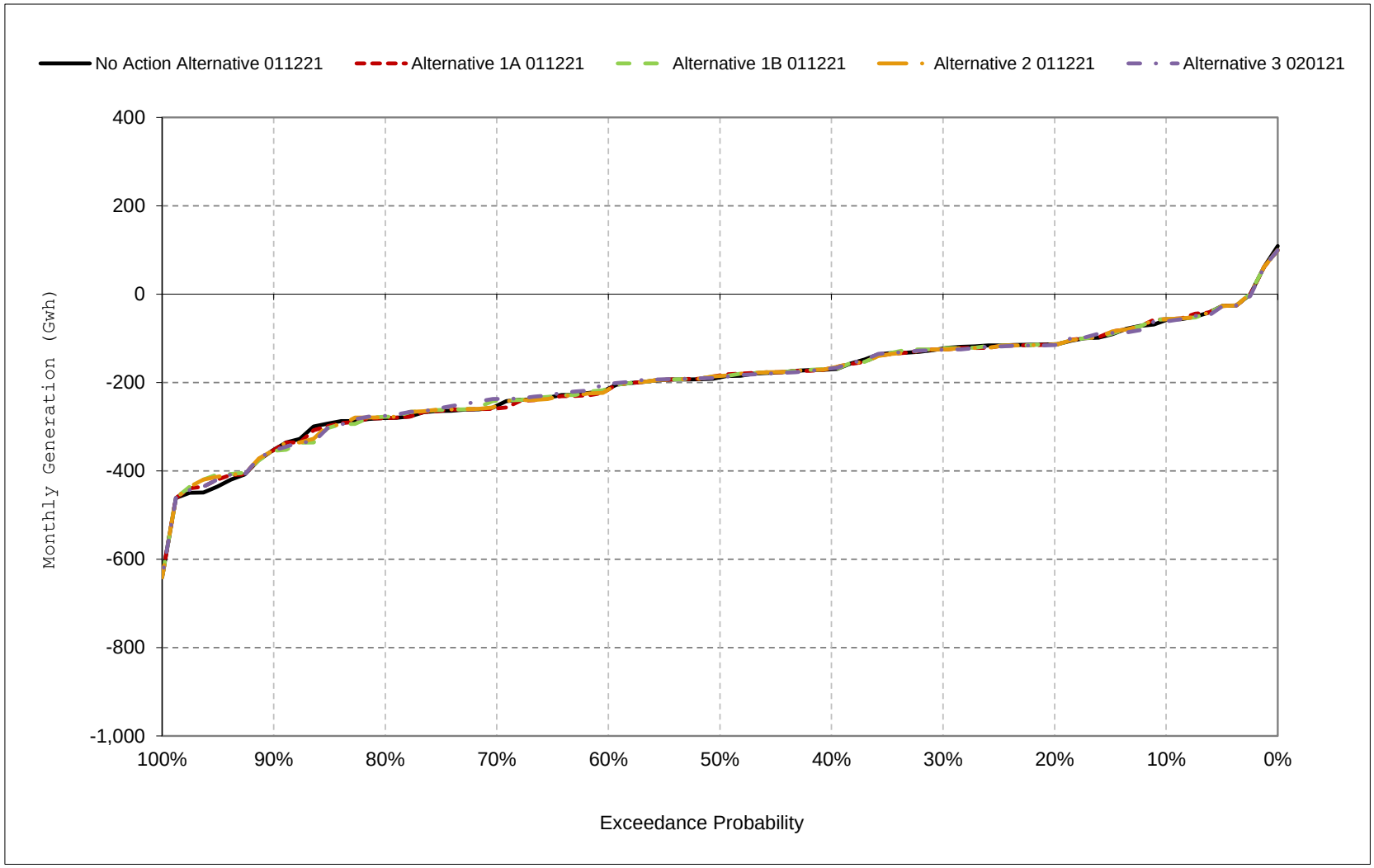
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 9-12. SWP Facilities Net Generation, March



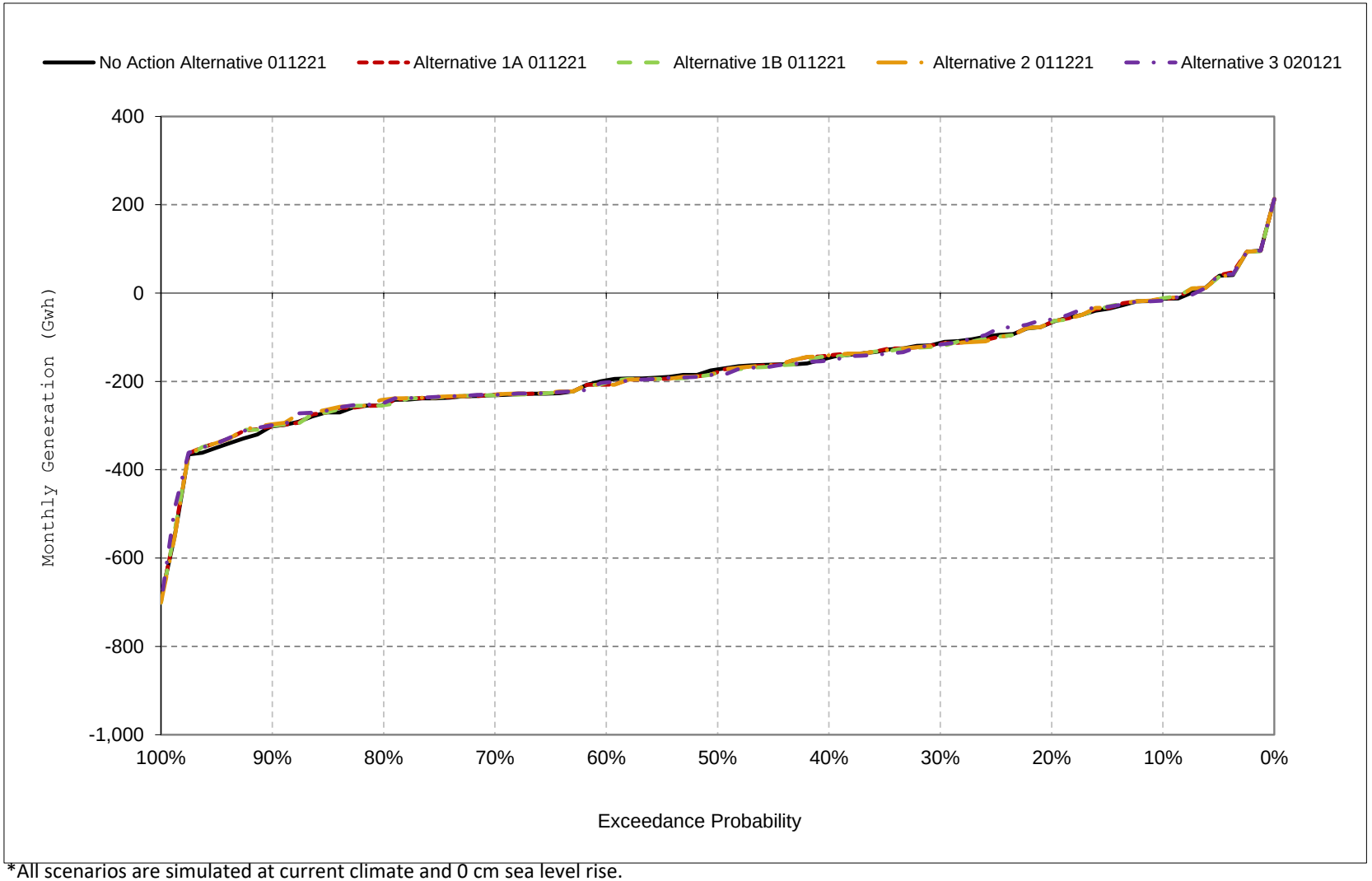
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 9-13. SWP Facilities Net Generation, April



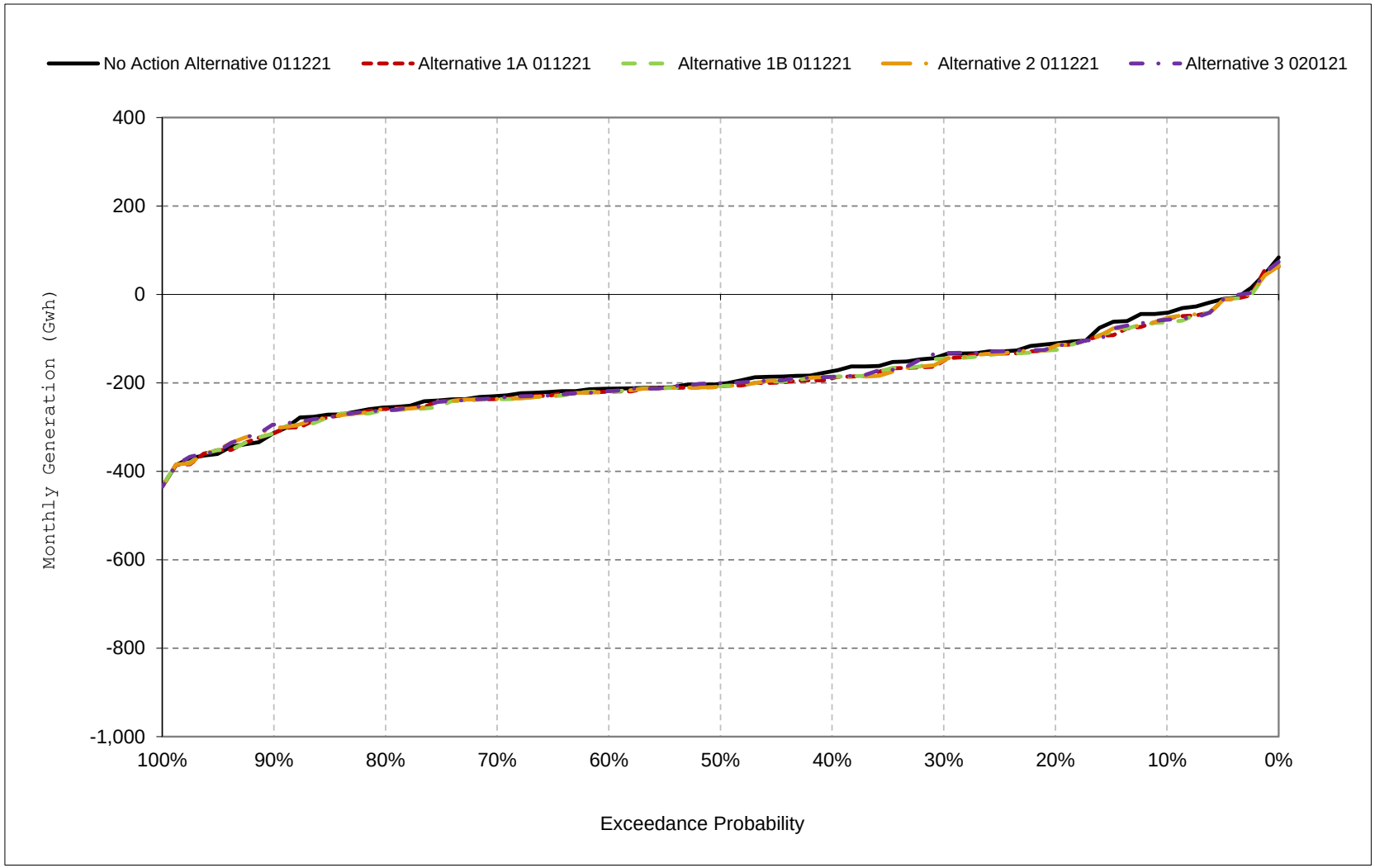
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 9-14. SWP Facilities Net Generation, May



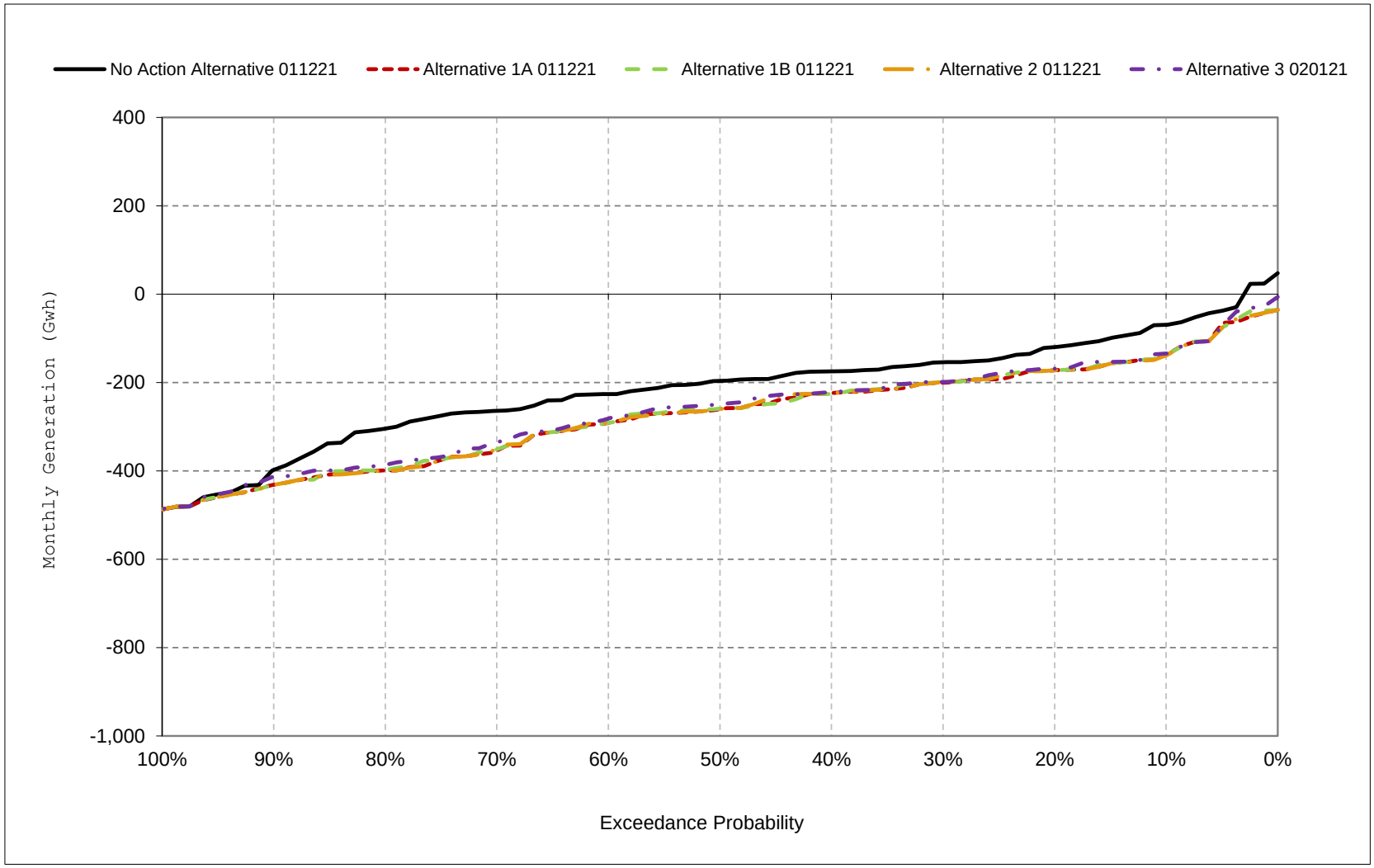
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 9-15. SWP Facilities Net Generation, June



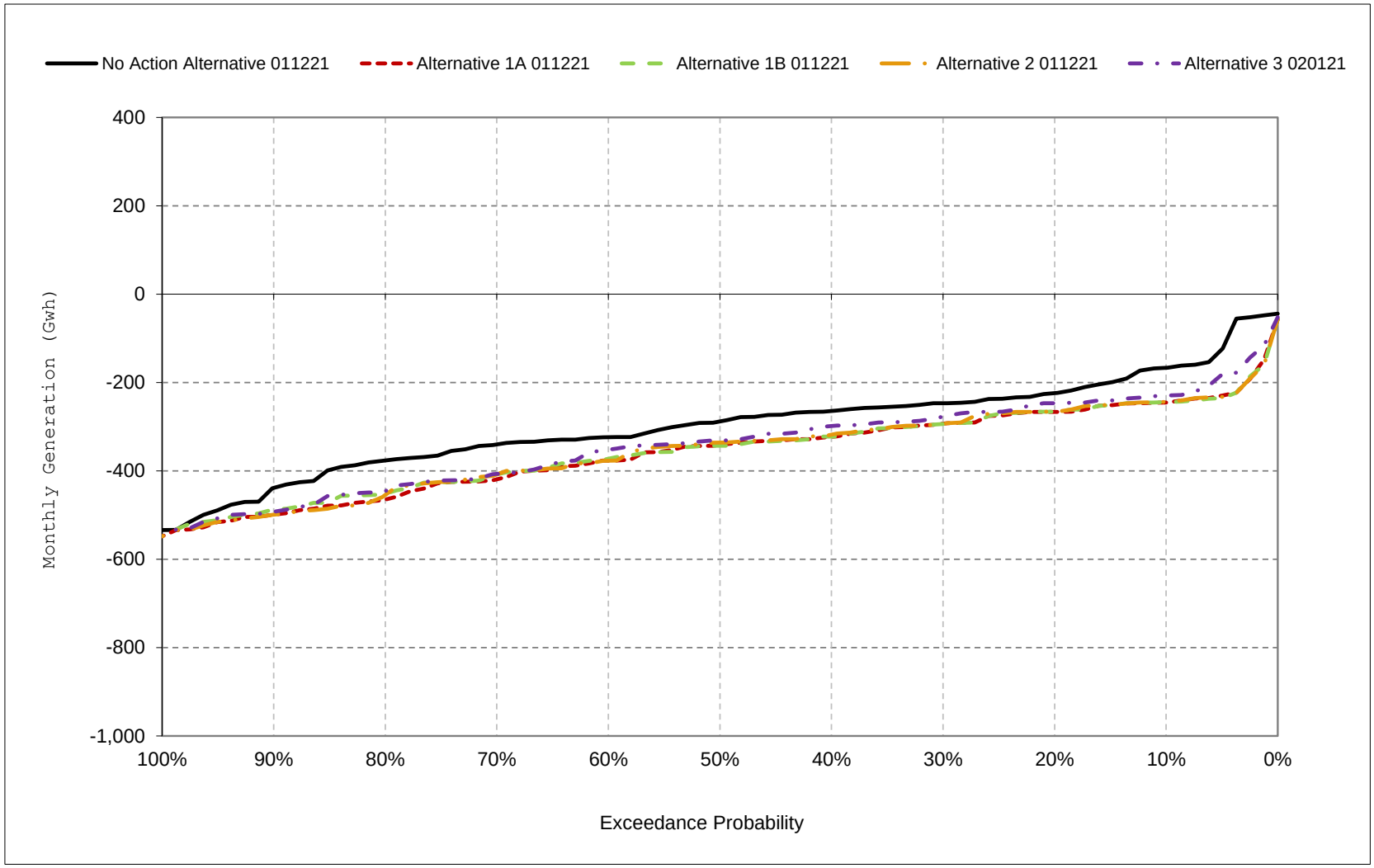
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 9-16. SWP Facilities Net Generation, July



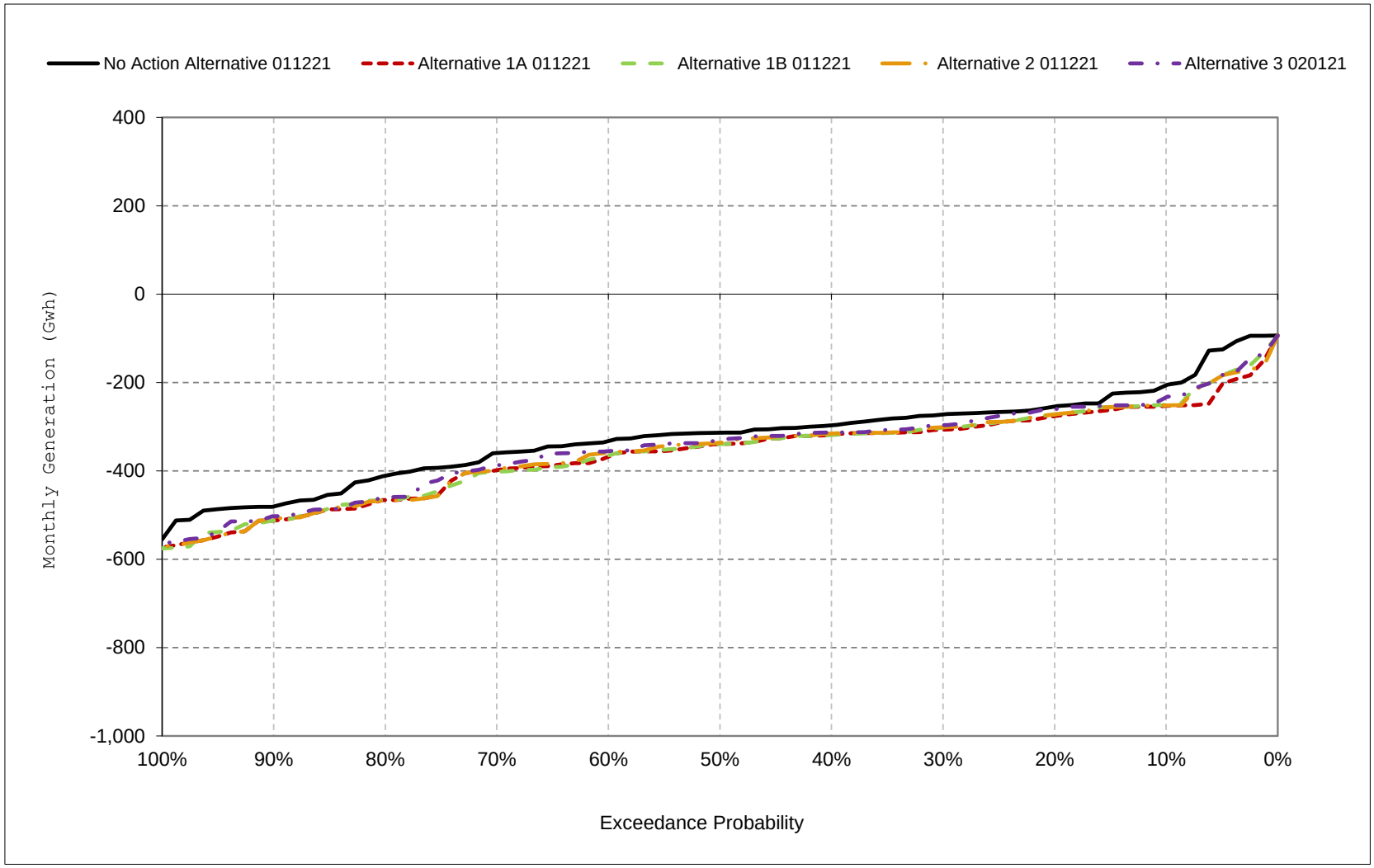
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 9-17. SWP Facilities Net Generation, August



*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 9-18. SWP Facilities Net Generation, September



*All scenarios are simulated at current climate and 0 cm sea level rise.

Table 10-1a. SWP Facilities Net Revenue, No Action Alternative 011221, Monthly Revenue (1000)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-9,864	-7,924	-6,117	-3,646	-2,129	-2,111	-3,345	-1,131	-2,274	-3,899	-9,766	-11,511
20%	-11,239	-10,788	-9,298	-4,825	-4,614	-5,121	-5,958	-4,114	-6,138	-6,774	-12,901	-13,221
30%	-15,310	-14,191	-11,335	-5,579	-6,257	-6,436	-6,555	-6,096	-7,497	-8,689	-14,092	-14,803
40%	-16,565	-17,837	-12,890	-7,393	-7,706	-8,594	-8,796	-8,090	-9,136	-9,819	-15,200	-15,912
50%	-18,562	-18,994	-15,161	-9,576	-9,584	-9,462	-9,839	-9,504	-10,655	-11,009	-16,566	-16,734
60%	-19,363	-20,354	-17,510	-12,616	-11,593	-11,620	-11,083	-10,532	-11,195	-12,713	-18,617	-17,895
70%	-21,199	-21,829	-20,859	-16,591	-14,547	-14,152	-13,021	-11,772	-11,971	-14,880	-19,846	-19,830
80%	-23,397	-22,438	-22,582	-21,835	-21,311	-16,116	-14,449	-12,852	-13,336	-16,968	-22,004	-22,738
90%	-24,733	-25,478	-25,867	-30,625	-25,477	-22,824	-18,133	-15,201	-16,093	-22,288	-25,929	-26,490
Long Term												
Full Simulation Period[a]	-17,495	-17,651	-15,532	-12,708	-11,671	-10,739	-10,313	-8,936	-9,723	-12,050	-17,260	-17,545
Water Year Types[b,c]												
Wet (32%)	-18,341	-19,652	-14,214	-14,385	-13,702	-9,721	-10,831	-8,007	-10,880	-16,673	-20,731	-16,879
Above Normal (15%)	-20,443	-22,601	-19,919	-17,177	-14,074	-12,987	-11,756	-10,937	-12,609	-12,201	-16,721	-16,448
Below Normal (17%)	-23,819	-21,637	-20,333	-17,047	-14,837	-15,075	-13,349	-13,591	-13,467	-13,027	-19,632	-24,772
Dry (22%)	-14,828	-14,342	-13,152	-8,416	-8,128	-9,510	-9,803	-8,109	-6,807	-8,782	-14,885	-17,623
Critical (15%)	-9,333	-8,678	-11,971	-5,984	-6,490	-7,484	-4,973	-4,757	-4,338	-5,645	-11,073	-11,538

Table 10-1b. SWP Facilities Net Revenue, Alternative 1A 011221, Monthly Revenue (1000)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-11,738	-9,769	-6,138	-3,624	-1,871	-1,761	-3,045	-824	-2,999	-7,667	-14,019	-13,290
20%	-14,619	-14,272	-9,334	-4,827	-4,616	-4,887	-5,937	-4,063	-6,602	-9,703	-15,245	-14,583
30%	-16,737	-17,781	-11,615	-5,868	-6,209	-6,579	-6,504	-6,313	-8,081	-11,295	-16,884	-16,392
40%	-18,618	-19,061	-13,282	-7,397	-7,582	-8,637	-8,692	-7,744	-9,997	-12,543	-18,499	-17,199
50%	-19,369	-20,385	-15,242	-9,579	-9,408	-9,749	-9,531	-9,528	-10,922	-14,629	-19,730	-18,316
60%	-21,584	-21,904	-17,619	-13,433	-11,980	-11,480	-11,183	-10,715	-11,518	-16,456	-22,118	-20,367
70%	-22,413	-22,316	-20,727	-16,592	-14,228	-13,565	-13,359	-11,771	-12,312	-19,832	-24,817	-21,877
80%	-25,330	-23,263	-22,934	-21,733	-21,227	-15,874	-14,480	-12,856	-13,459	-22,485	-27,546	-25,948
90%	-27,502	-26,795	-25,777	-30,621	-25,354	-22,821	-18,139	-15,173	-16,113	-24,147	-29,481	-28,339
Long Term												
Full Simulation Period[a]	-19,458	-19,110	-15,785	-12,808	-11,603	-10,662	-10,310	-8,889	-10,134	-15,295	-20,814	-19,704
Water Year Types[b,c]												
Wet (32%)	-18,137	-19,551	-14,307	-14,511	-13,568	-9,517	-10,963	-7,864	-10,922	-16,725	-20,761	-16,885
Above Normal (15%)	-20,462	-22,579	-19,935	-17,554	-14,466	-13,275	-11,642	-10,925	-12,651	-12,133	-16,697	-16,428
Below Normal (17%)	-25,026	-23,647	-20,349	-17,242	-14,898	-15,137	-13,159	-13,496	-13,595	-13,593	-20,365	-25,040
Dry (22%)	-21,138	-18,384	-13,542	-8,317	-7,993	-9,582	-9,899	-8,246	-8,100	-17,571	-24,396	-22,900
Critical (15%)	-12,299	-10,485	-12,876	-5,937	-6,055	-6,931	-4,856	-4,660	-4,927	-13,929	-20,195	-18,070

Table 10-1c. SWP Facilities Net Revenue, Alternative 1A 011221 minus No Action Alternative 011221, Monthly Revenue (1000)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-1,874	-1,845	-21	23	257	349	300	307	-726	-3,769	-4,253	-1,779
20%	-3,380	-3,483	-36	-2	-2	234	22	51	-463	-2,929	-2,344	-1,361
30%	-1,427	-3,590	-280	-289	48	-144	51	-216	-584	-2,607	-2,792	-1,589
40%	-2,053	-1,224	-392	-5	124	-43	104	346	-861	-2,724	-3,300	-1,286
50%	-807	-1,391	-81	-4	176	-287	307	-24	-267	-3,620	-3,164	-1,582
60%	-2,222	-1,550	-109	-817	-387	140	-100	-182	-323	-3,743	-3,502	-2,472
70%	-1,213	-488	131	-1	319	587	-338	1	-342	-4,952	-4,971	-2,048
80%	-1,932	-825	-352	102	84	242	-31	-4	-123	-5,517	-5,542	-3,210
90%	-2,769	-1,317	90	4	122	4	-6	28	-20	-1,860	-3,552	-1,849
Long Term												
Full Simulation Period[a]	-1,964	-1,459	-252	-100	68	77	3	47	-411	-3,245	-3,554	-2,159
Water Year Types[b,c]												
Wet (32%)	204	101	-92	-126	133	204	-133	143	-42	-52	-29	-6
Above Normal (15%)	-20	23	-16	-377	-392	-288	115	12	-41	68	24	19
Below Normal (17%)	-1,207	-2,010	-16	-196	-61	-61	190	94	-128	-566	-733	-267
Dry (22%)	-6,310	-4,042	-390	99	134	-72	-96	-137	-1,293	-8,789	-9,511	-5,277
Critical (15%)	-2,966	-1,807	-905	47	434	552	117	97	-588	-8,284	-9,122	-6,532

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 10-2a. SWP Facilities Net Revenue, No Action Alternative 011221, Monthly Revenue (1000)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-9,864	-7,924	-6,117	-3,646	-2,129	-2,111	-3,345	-1,131	-2,274	-3,899	-9,766	-11,511
20%	-11,239	-10,788	-9,298	-4,825	-4,614	-5,121	-5,958	-4,114	-6,138	-6,774	-12,901	-13,221
30%	-15,310	-14,191	-11,335	-5,579	-6,257	-6,436	-6,555	-6,096	-7,497	-8,689	-14,092	-14,803
40%	-16,565	-17,837	-12,890	-7,393	-7,706	-8,594	-8,796	-8,090	-9,136	-9,819	-15,200	-15,912
50%	-18,562	-18,994	-15,161	-9,576	-9,584	-9,462	-9,839	-9,504	-10,655	-11,009	-16,566	-16,734
60%	-19,363	-20,354	-17,510	-12,616	-11,593	-11,620	-11,083	-10,532	-11,195	-12,713	-18,617	-17,895
70%	-21,199	-21,829	-20,859	-16,591	-14,547	-14,152	-13,021	-11,772	-11,971	-14,880	-19,846	-19,830
80%	-23,397	-22,438	-22,582	-21,835	-21,311	-16,116	-14,449	-12,852	-13,336	-16,968	-22,004	-22,738
90%	-24,733	-25,478	-25,867	-30,625	-25,477	-22,824	-18,133	-15,201	-16,093	-22,288	-25,929	-26,490
Long Term												
Full Simulation Period[a]	-17,495	-17,651	-15,532	-12,708	-11,671	-10,739	-10,313	-8,936	-9,723	-12,050	-17,260	-17,545
Water Year Types[b,c]												
Wet (32%)	-18,341	-19,652	-14,214	-14,385	-13,702	-9,721	-10,831	-8,007	-10,880	-16,673	-20,731	-16,879
Above Normal (15%)	-20,443	-22,601	-19,919	-17,177	-14,074	-12,987	-11,756	-10,937	-12,609	-12,201	-16,721	-16,448
Below Normal (17%)	-23,819	-21,637	-20,333	-17,047	-14,837	-15,075	-13,349	-13,591	-13,467	-13,027	-19,632	-24,772
Dry (22%)	-14,828	-14,342	-13,152	-8,416	-8,128	-9,510	-9,803	-8,109	-6,807	-8,782	-14,885	-17,623
Critical (15%)	-9,333	-8,678	-11,971	-5,984	-6,490	-7,484	-4,973	-4,757	-4,338	-5,645	-11,073	-11,538

Table 10-2b. SWP Facilities Net Revenue, Alternative 1B 011221, Monthly Revenue (1000)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-10,633	-9,527	-5,734	-2,909	-1,952	-1,837	-3,069	-808	-3,544	-7,679	-14,020	-13,006
20%	-14,780	-13,739	-8,679	-4,733	-4,612	-5,190	-5,951	-4,073	-6,630	-9,706	-15,174	-14,253
30%	-16,544	-17,381	-11,292	-5,591	-6,222	-6,823	-6,458	-6,473	-7,767	-11,196	-16,912	-16,221
40%	-18,186	-18,695	-13,205	-7,408	-7,792	-8,366	-8,720	-7,745	-9,830	-12,652	-18,533	-16,943
50%	-19,327	-20,019	-15,132	-8,797	-9,758	-9,372	-9,619	-9,601	-10,921	-14,549	-19,818	-18,449
60%	-21,151	-21,844	-18,268	-13,056	-11,893	-11,475	-11,024	-10,745	-11,468	-16,442	-21,984	-19,943
70%	-22,414	-22,313	-20,781	-16,592	-14,576	-13,659	-12,450	-11,818	-12,380	-19,673	-24,168	-22,203
80%	-24,908	-23,336	-22,548	-21,724	-21,090	-15,985	-14,306	-12,897	-13,565	-22,308	-26,856	-25,803
90%	-26,874	-26,112	-25,651	-31,527	-25,473	-21,655	-18,216	-15,119	-16,086	-24,156	-28,626	-28,466
Long Term												
Full Simulation Period[a]	-19,255	-18,934	-15,561	-12,571	-11,725	-10,694	-10,264	-8,929	-10,149	-15,218	-20,616	-19,515
Water Year Types[b,c]												
Wet (32%)	-18,189	-19,649	-14,267	-13,629	-13,655	-9,477	-10,850	-7,932	-10,926	-16,744	-20,793	-16,923
Above Normal (15%)	-20,372	-22,611	-19,894	-17,733	-14,525	-12,855	-11,786	-10,911	-12,503	-12,075	-16,516	-16,474
Below Normal (17%)	-24,574	-23,540	-20,303	-17,243	-14,930	-15,498	-12,929	-13,485	-13,692	-13,523	-20,286	-24,839
Dry (22%)	-20,875	-17,528	-12,556	-8,349	-8,019	-9,575	-9,891	-8,302	-8,128	-17,173	-23,680	-22,167
Critical (15%)	-11,813	-10,446	-13,004	-6,001	-6,562	-7,244	-4,925	-4,734	-5,008	-14,098	-20,126	-17,982

Table 10-2c. SWP Facilities Net Revenue, Alternative 1B 011221 minus No Action Alternative 011221, Monthly Revenue (1000)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-770	-1,603	383	738	177	273	276	323	-1,270	-3,780	-4,254	-1,495
20%	-3,541	-2,950	620	92	2	-69	7	41	-491	-2,931	-2,273	-1,032
30%	-1,234	-3,190	43	-12	35	-387	97	-377	-270	-2,508	-2,820	-1,418
40%	-1,622	-858	-315	-15	-86	227	76	345	-694	-2,833	-3,333	-1,031
50%	-765	-1,024	29	778	-174	89	219	-97	-266	-3,540	-3,252	-1,715
60%	-1,789	-1,490	-758	-440	-300	145	59	-212	-273	-3,729	-3,367	-2,048
70%	-1,215	-484	78	-1	-29	492	571	-45	-410	-4,793	-4,322	-2,373
80%	-1,510	-899	35	111	221	131	143	-45	-229	-5,340	-4,852	-3,065
90%	-2,141	-633	216	-902	4	1,169	-82	82	7	-1,869	-2,697	-1,976
Long Term												
Full Simulation Period[a]	-1,761	-1,283	-28	137	-54	45	49	7	-425	-3,168	-3,356	-1,969
Water Year Types[b,c]												
Wet (32%)	152	3	-53	756	46	244	-19	75	-46	-72	-61	-44
Above Normal (15%)	71	-9	26	-555	-451	131	-29	26	106	126	205	-26
Below Normal (17%)	-754	-1,903	30	-197	-93	-423	420	106	-225	-496	-654	-67
Dry (22%)	-6,047	-3,186	596	66	108	-65	-88	-192	-1,320	-8,391	-8,795	-4,544
Critical (15%)	-2,480	-1,768	-1,033	-17	-72	240	48	23	-670	-8,453	-9,053	-6,443

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 10-3a. SWP Facilities Net Revenue, No Action Alternative 011221, Monthly Revenue (1000)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-9,864	-7,924	-6,117	-3,646	-2,129	-2,111	-3,345	-1,131	-2,274	-3,899	-9,766	-11,511
20%	-11,239	-10,788	-9,298	-4,825	-4,614	-5,121	-5,958	-4,114	-6,138	-6,774	-12,901	-13,221
30%	-15,310	-14,191	-11,335	-5,579	-6,257	-6,436	-6,555	-6,096	-7,497	-8,689	-14,092	-14,803
40%	-16,565	-17,837	-12,890	-7,393	-7,706	-8,594	-8,796	-8,090	-9,136	-9,819	-15,200	-15,912
50%	-18,562	-18,994	-15,161	-9,576	-9,584	-9,462	-9,839	-9,504	-10,655	-11,009	-16,566	-16,734
60%	-19,363	-20,354	-17,510	-12,616	-11,593	-11,620	-11,083	-10,532	-11,195	-12,713	-18,617	-17,895
70%	-21,199	-21,829	-20,859	-16,591	-14,547	-14,152	-13,021	-11,772	-11,971	-14,880	-19,846	-19,830
80%	-23,397	-22,438	-22,582	-21,835	-21,311	-16,116	-14,449	-12,852	-13,336	-16,968	-22,004	-22,738
90%	-24,733	-25,478	-25,867	-30,625	-25,477	-22,824	-18,133	-15,201	-16,093	-22,288	-25,929	-26,490
Long Term												
Full Simulation Period[a]	-17,495	-17,651	-15,532	-12,708	-11,671	-10,739	-10,313	-8,936	-9,723	-12,050	-17,260	-17,545
Water Year Types[b,c]												
Wet (32%)	-18,341	-19,652	-14,214	-14,385	-13,702	-9,721	-10,831	-8,007	-10,880	-16,673	-20,731	-16,879
Above Normal (15%)	-20,443	-22,601	-19,919	-17,177	-14,074	-12,987	-11,756	-10,937	-12,609	-12,201	-16,721	-16,448
Below Normal (17%)	-23,819	-21,637	-20,333	-17,047	-14,837	-15,075	-13,349	-13,591	-13,467	-13,027	-19,632	-24,772
Dry (22%)	-14,828	-14,342	-13,152	-8,416	-8,128	-9,510	-9,803	-8,109	-6,807	-8,782	-14,885	-17,623
Critical (15%)	-9,333	-8,678	-11,971	-5,984	-6,490	-7,484	-4,973	-4,757	-4,338	-5,645	-11,073	-11,538

Table 10-3b. SWP Facilities Net Revenue, Alternative 2 011221, Monthly Revenue (1000)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-10,433	-8,763	-6,121	-3,602	-1,937	-1,763	-3,045	-802	-2,948	-7,717	-14,019	-13,050
20%	-14,588	-13,007	-9,327	-4,823	-4,613	-5,010	-5,937	-4,074	-6,560	-9,703	-15,173	-14,326
30%	-16,317	-17,219	-11,617	-5,868	-6,220	-6,591	-6,503	-6,310	-8,006	-11,175	-16,884	-16,310
40%	-18,164	-18,459	-13,244	-7,462	-7,769	-8,586	-8,637	-7,744	-9,827	-12,542	-18,314	-16,934
50%	-19,174	-19,936	-15,202	-9,578	-9,636	-9,762	-9,594	-9,516	-10,917	-14,629	-19,540	-18,112
60%	-20,590	-21,679	-17,761	-12,894	-12,029	-11,556	-11,177	-10,715	-11,519	-16,374	-22,096	-19,772
70%	-21,901	-22,279	-20,573	-16,592	-14,232	-13,623	-13,013	-11,771	-12,317	-19,609	-24,125	-21,710
80%	-24,616	-23,398	-22,800	-21,735	-21,330	-15,595	-14,366	-12,681	-13,462	-22,486	-26,905	-25,999
90%	-26,969	-26,466	-25,754	-30,698	-25,354	-22,465	-18,139	-15,013	-15,621	-24,147	-29,504	-28,258
Long Term												
Full Simulation Period[a]	-19,029	-18,823	-15,678	-12,800	-11,664	-10,658	-10,273	-8,856	-10,085	-15,254	-20,651	-19,463
Water Year Types[b,c]												
Wet (32%)	-18,183	-19,558	-14,281	-14,404	-13,490	-9,581	-10,896	-7,864	-10,916	-16,733	-20,773	-16,909
Above Normal (15%)	-20,434	-22,557	-19,917	-17,724	-14,491	-12,877	-11,733	-10,960	-12,717	-12,126	-16,685	-16,419
Below Normal (17%)	-24,997	-24,006	-20,252	-17,264	-14,945	-15,189	-12,968	-13,255	-13,428	-13,697	-20,465	-25,047
Dry (22%)	-19,938	-16,856	-13,201	-8,311	-8,017	-9,567	-9,888	-8,231	-7,960	-17,531	-24,300	-22,353
Critical (15%)	-11,132	-10,398	-12,842	-5,924	-6,521	-7,121	-4,896	-4,705	-4,938	-13,580	-19,094	-17,189

Table 10-3c. SWP Facilities Net Revenue, Alternative 2 011221 minus No Action Alternative 011221, Monthly Revenue (1000)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-569	-839	-5	45	192	348	300	329	-674	-3,818	-4,253	-1,539
20%	-3,349	-2,219	-29	2	1	111	22	41	-422	-2,929	-2,272	-1,105
30%	-1,007	-3,028	-282	-289	37	-156	52	-214	-509	-2,486	-2,792	-1,507
40%	-1,600	-621	-354	-70	-63	8	159	346	-692	-2,723	-3,114	-1,022
50%	-612	-941	-40	-3	-52	-300	245	-12	-262	-3,620	-2,974	-1,378
60%	-1,228	-1,324	-251	-278	-436	64	-95	-183	-324	-3,661	-3,480	-1,877
70%	-701	-451	286	-1	315	528	8	1	-347	-4,729	-4,278	-1,881
80%	-1,219	-960	-217	100	-20	521	82	171	-126	-5,518	-4,901	-3,261
90%	-2,236	-987	112	-73	122	359	-6	188	472	-1,860	-3,575	-1,768
Long Term												
Full Simulation Period[a]	-1,535	-1,172	-145	-91	8	81	40	80	-361	-3,204	-3,391	-1,917
Water Year Types[b,c]												
Wet (32%)	158	94	-67	-19	212	140	-65	143	-36	-60	-41	-30
Above Normal (15%)	9	44	2	-547	-418	109	24	-23	-108	75	36	29
Below Normal (17%)	-1,178	-2,369	81	-217	-107	-114	381	336	39	-670	-833	-275
Dry (22%)	-5,110	-2,513	-49	105	111	-57	-86	-122	-1,153	-8,749	-9,415	-4,730
Critical (15%)	-1,799	-1,720	-871	60	-31	362	77	52	-600	-7,935	-8,022	-5,651

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 10-4a. SWP Facilities Net Revenue, No Action Alternative 011221, Monthly Revenue (1000)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-9,864	-7,924	-6,117	-3,646	-2,129	-2,111	-3,345	-1,131	-2,274	-3,899	-9,766	-11,511
20%	-11,239	-10,788	-9,298	-4,825	-4,614	-5,121	-5,958	-4,114	-6,138	-6,774	-12,901	-13,221
30%	-15,310	-14,191	-11,335	-5,579	-6,257	-6,436	-6,555	-6,096	-7,497	-8,689	-14,092	-14,803
40%	-16,565	-17,837	-12,890	-7,393	-7,706	-8,594	-8,796	-8,090	-9,136	-9,819	-15,200	-15,912
50%	-18,562	-18,994	-15,161	-9,576	-9,584	-9,462	-9,839	-9,504	-10,655	-11,009	-16,566	-16,734
60%	-19,363	-20,354	-17,510	-12,616	-11,593	-11,620	-11,083	-10,532	-11,195	-12,713	-18,617	-17,895
70%	-21,199	-21,829	-20,859	-16,591	-14,547	-14,152	-13,021	-11,772	-11,971	-14,880	-19,846	-19,830
80%	-23,397	-22,438	-22,582	-21,835	-21,311	-16,116	-14,449	-12,852	-13,336	-16,968	-22,004	-22,738
90%	-24,733	-25,478	-25,867	-30,625	-25,477	-22,824	-18,133	-15,201	-16,093	-22,288	-25,929	-26,490
Long Term												
Full Simulation Period[a]	-17,495	-17,651	-15,532	-12,708	-11,671	-10,739	-10,313	-8,936	-9,723	-12,050	-17,260	-17,545
Water Year Types[b,c]												
Wet (32%)	-18,341	-19,652	-14,214	-14,385	-13,702	-9,721	-10,831	-8,007	-10,880	-16,673	-20,731	-16,879
Above Normal (15%)	-20,443	-22,601	-19,919	-17,177	-14,074	-12,987	-11,756	-10,937	-12,609	-12,201	-16,721	-16,448
Below Normal (17%)	-23,819	-21,637	-20,333	-17,047	-14,837	-15,075	-13,349	-13,591	-13,467	-13,027	-19,632	-24,772
Dry (22%)	-14,828	-14,342	-13,152	-8,416	-8,128	-9,510	-9,803	-8,109	-6,807	-8,782	-14,885	-17,623
Critical (15%)	-9,333	-8,678	-11,971	-5,984	-6,490	-7,484	-4,973	-4,757	-4,338	-5,645	-11,073	-11,538

Table 10-4b. SWP Facilities Net Revenue, Alternative 3 020121, Monthly Revenue (1000)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-10,096	-8,624	-6,116	-3,146	-1,986	-1,929	-3,272	-1,331	-3,331	-7,578	-13,472	-12,794
20%	-13,338	-12,852	-9,013	-4,903	-4,594	-5,040	-6,073	-3,511	-6,578	-9,366	-14,168	-14,011
30%	-15,908	-17,177	-11,877	-5,905	-6,827	-6,739	-6,529	-6,112	-7,269	-11,174	-15,975	-15,736
40%	-17,651	-18,602	-13,748	-7,547	-8,504	-8,689	-8,695	-8,091	-9,867	-12,481	-17,217	-16,715
50%	-19,138	-19,788	-15,216	-10,116	-9,648	-10,058	-9,753	-9,676	-10,581	-14,010	-19,274	-17,836
60%	-20,624	-21,188	-18,466	-13,008	-11,779	-11,534	-10,577	-10,926	-11,435	-15,871	-20,412	-19,172
70%	-21,818	-22,157	-20,641	-16,662	-14,486	-14,494	-12,264	-11,808	-12,230	-18,911	-24,156	-20,868
80%	-24,023	-23,336	-22,337	-21,548	-21,217	-16,725	-14,256	-12,794	-13,614	-21,812	-26,180	-25,680
90%	-26,669	-25,911	-25,393	-30,704	-25,308	-23,289	-18,180	-15,094	-15,276	-23,376	-29,243	-27,961
Long Term												
Full Simulation Period[a]	-18,582	-18,566	-15,734	-12,856	-11,770	-11,092	-10,242	-8,839	-9,953	-14,790	-19,895	-18,998
Water Year Types[b,c]												
Wet (32%)	-18,035	-19,601	-14,167	-14,202	-13,417	-9,841	-11,003	-7,747	-10,866	-16,676	-20,687	-16,850
Above Normal (15%)	-20,657	-22,753	-19,899	-18,275	-14,605	-13,444	-11,858	-10,996	-12,524	-12,353	-16,713	-16,626
Below Normal (17%)	-24,291	-23,261	-19,740	-17,166	-15,054	-16,556	-12,601	-12,999	-13,277	-13,325	-19,950	-24,661
Dry (22%)	-19,198	-16,344	-14,179	-8,522	-8,451	-9,640	-9,819	-8,520	-7,815	-16,003	-21,724	-21,380
Critical (15%)	-10,108	-9,989	-12,624	-5,992	-6,512	-7,252	-4,863	-4,676	-4,735	-13,027	-18,552	-15,841

Table 10-4c. SWP Facilities Net Revenue, Alternative 3 020121 minus No Action Alternative 011221, Monthly Revenue (1000)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-232	-700	0	501	143	182	72	-200	-1,057	-3,680	-3,706	-1,284
20%	-2,099	-2,064	285	-78	20	81	-114	603	-440	-2,592	-1,267	-790
30%	-598	-2,986	-543	-326	-570	-303	26	-16	228	-2,486	-1,883	-933
40%	-1,086	-765	-859	-155	-798	-95	101	-1	-731	-2,662	-2,017	-802
50%	-576	-793	-55	-540	-64	-597	86	-172	74	-3,001	-2,707	-1,103
60%	-1,261	-834	-956	-392	-186	86	506	-394	-240	-3,158	-1,796	-1,277
70%	-619	-328	218	-70	61	-343	758	-36	-260	-4,031	-4,309	-1,039
80%	-626	-898	246	287	93	-610	193	58	-278	-4,844	-4,176	-2,942
90%	-1,936	-432	474	-79	168	-464	-47	107	817	-1,088	-3,314	-1,470
Long Term												
Full Simulation Period[a]	-1,088	-915	-202	-148	-99	-352	71	97	-230	-2,740	-2,635	-1,452
Water Year Types[b,c]												
Wet (32%)	306	50	47	183	285	-119	-172	260	13	-4	44	29
Above Normal (15%)	-214	-152	20	-1,097	-532	-457	-102	-59	86	-152	8	-179
Below Normal (17%)	-472	-1,624	593	-120	-216	-1,480	748	592	190	-298	-318	111
Dry (22%)	-4,370	-2,002	-1,027	-106	-323	-130	-16	-410	-1,008	-7,221	-6,839	-3,757
Critical (15%)	-775	-1,311	-654	-8	-22	232	110	82	-396	-7,381	-7,479	-4,303

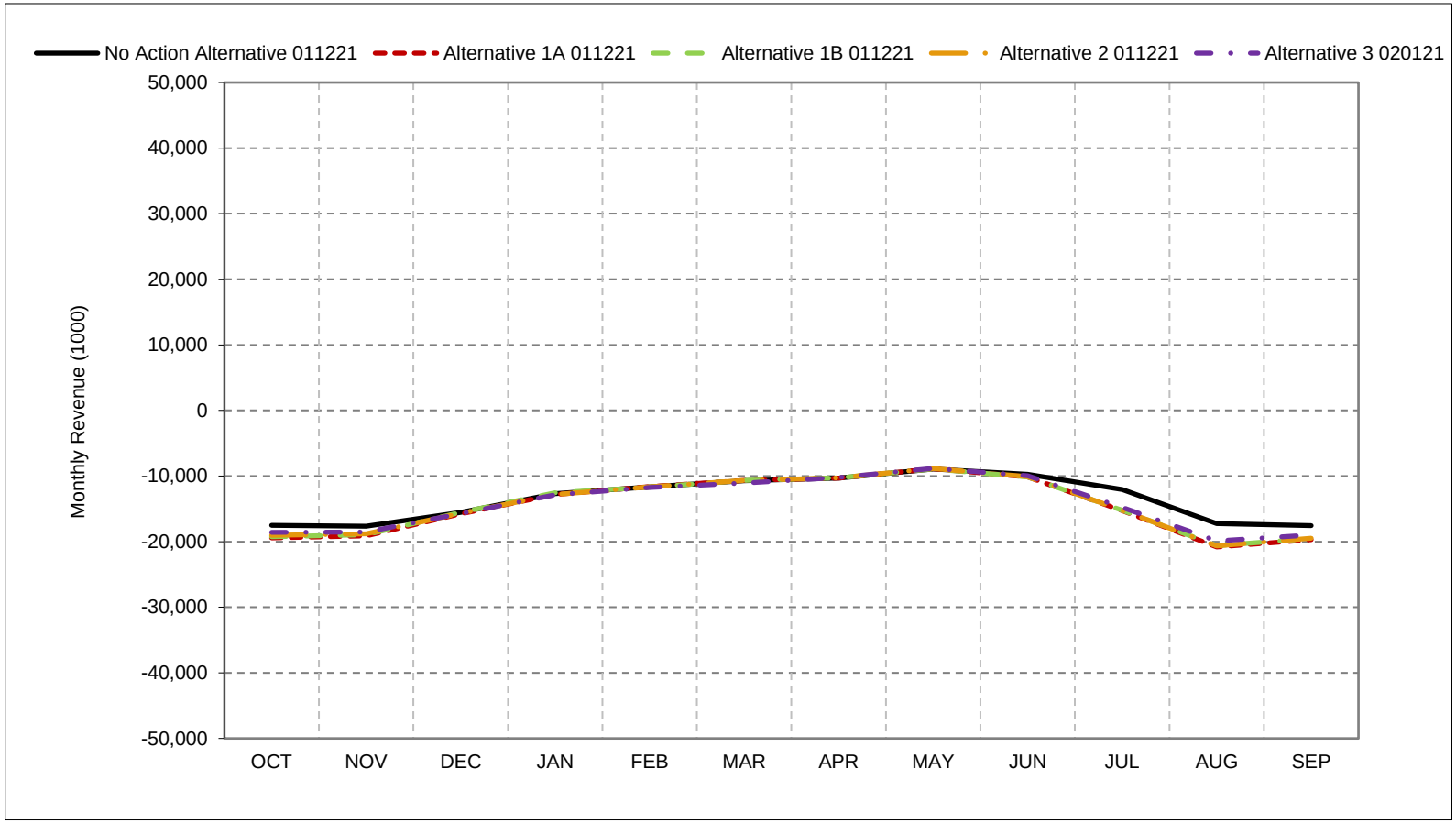
a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 10-1. SWP Facilities Net Revenue, Long-Term Average Revenue

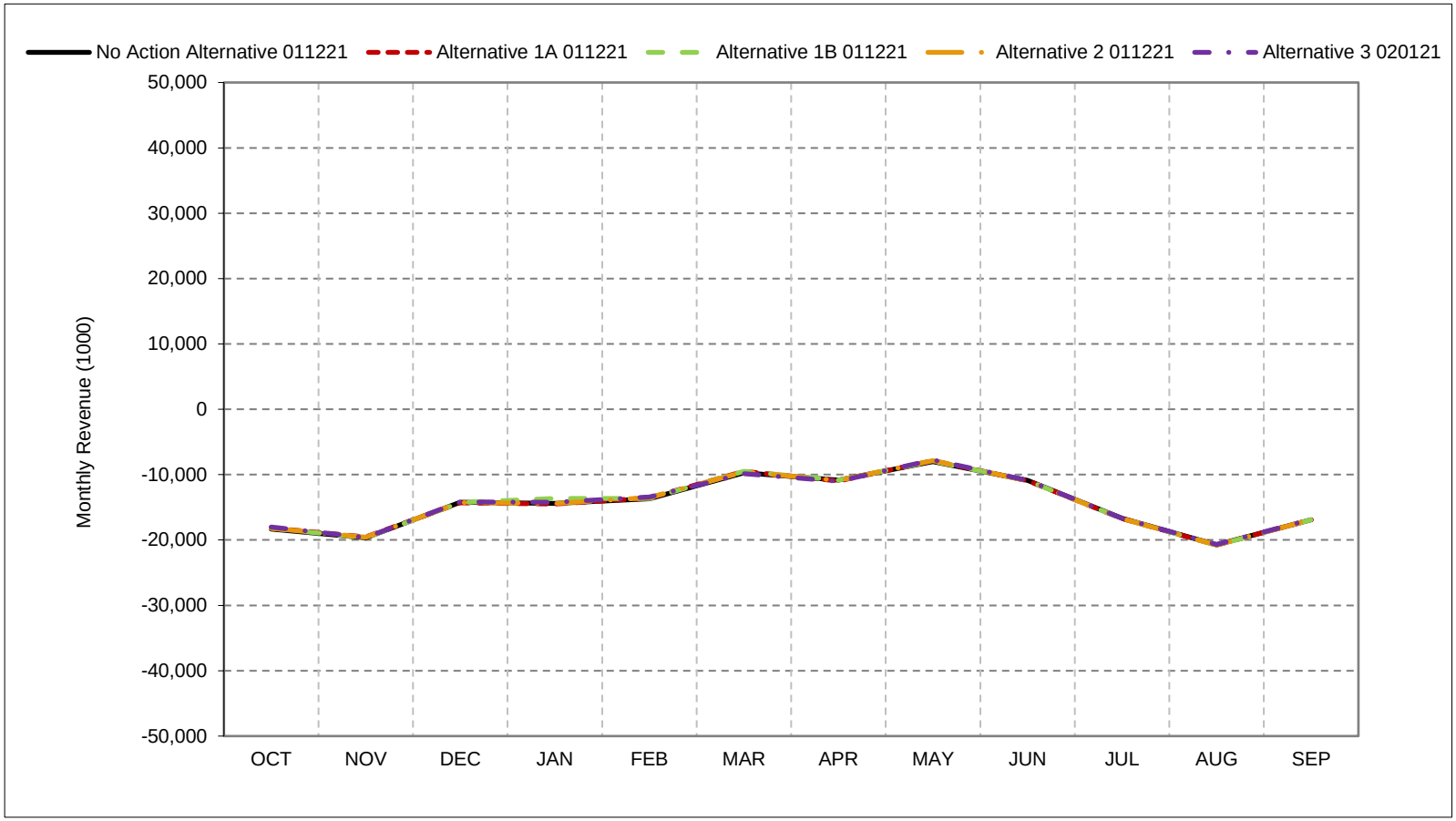


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 10-2. SWP Facilities Net Revenue, Wet Year Average Revenue

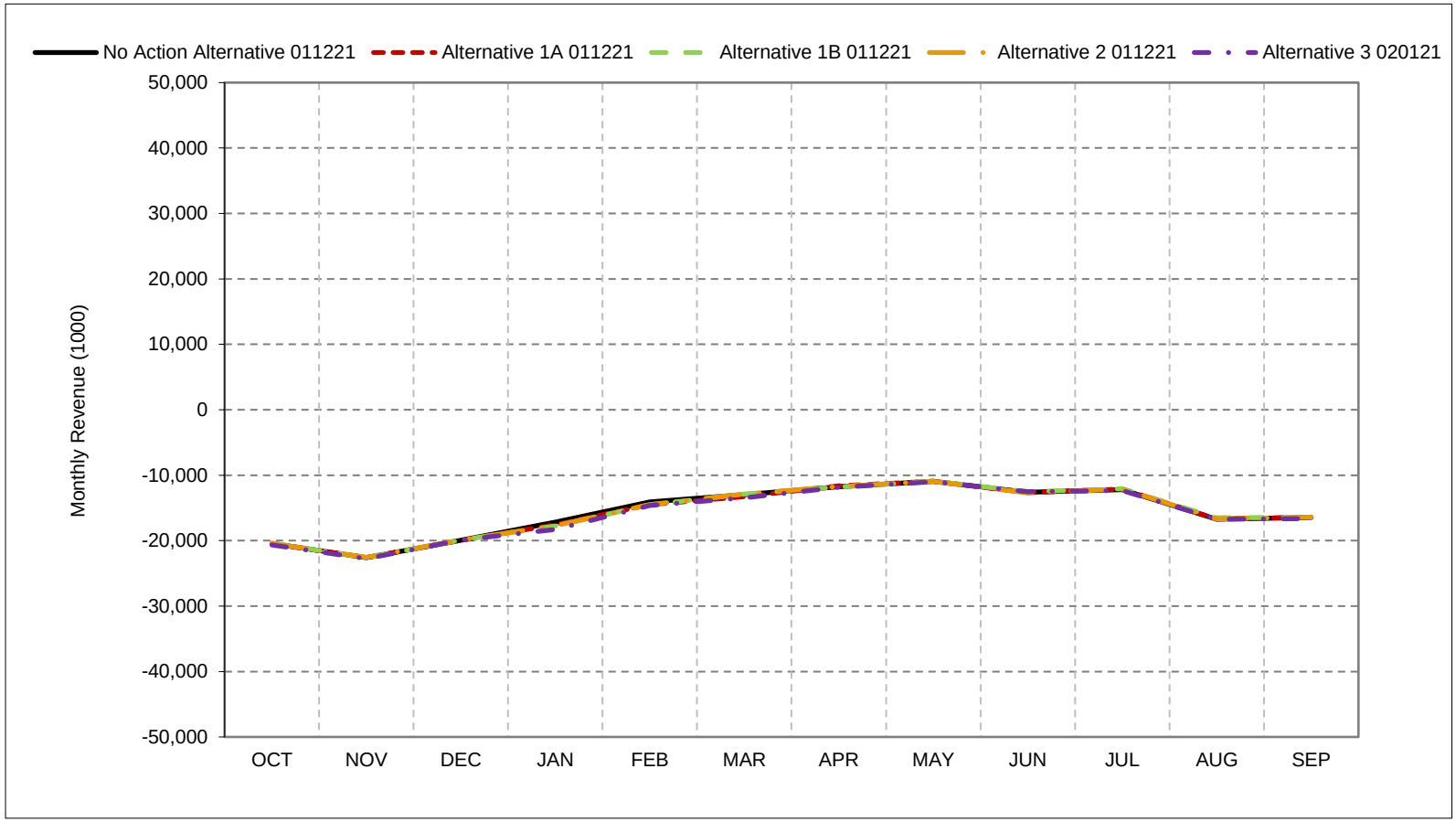


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 10-3. SWP Facilities Net Revenue, Above Normal Year Average Revenue

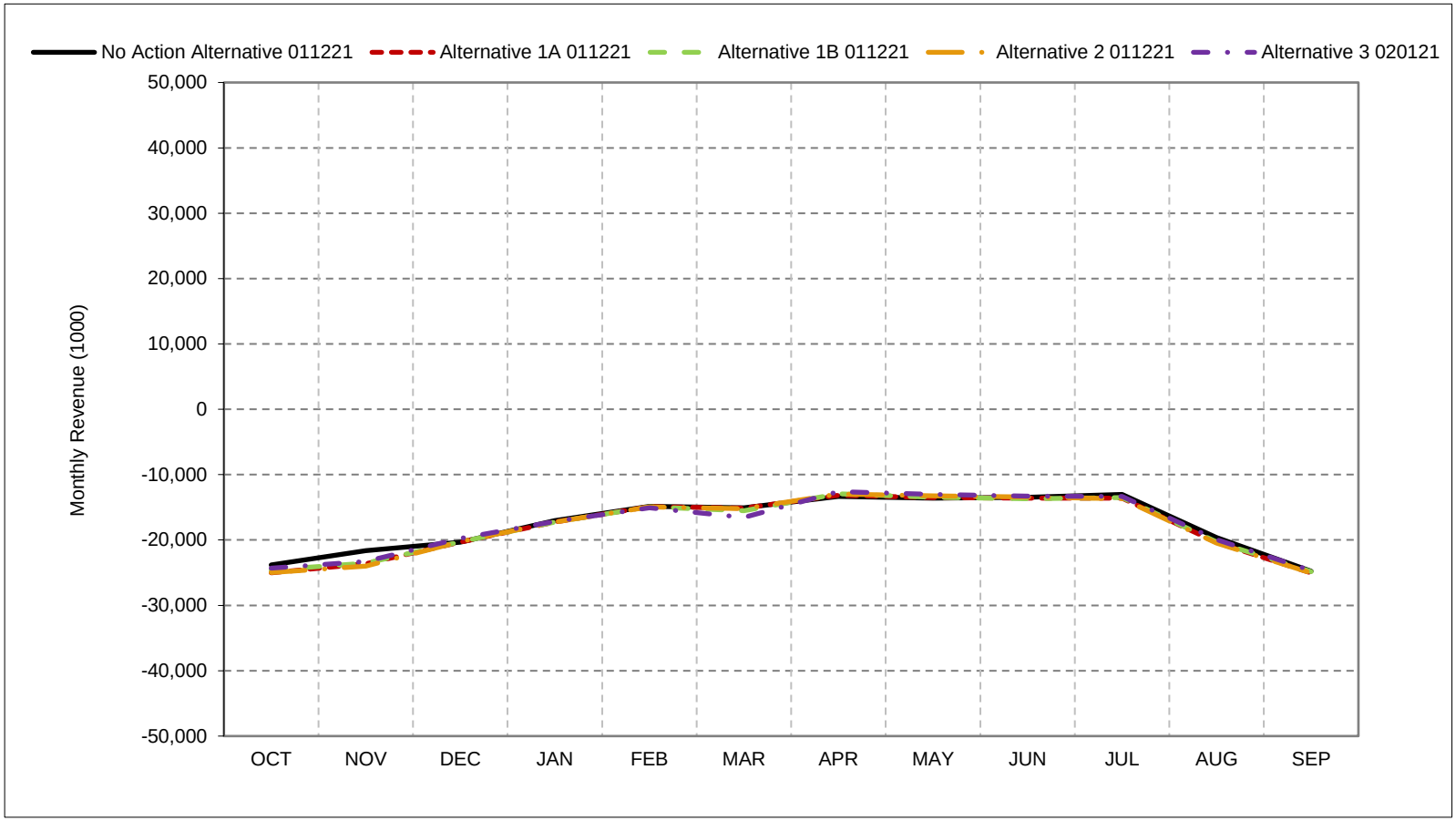


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 10-4. SWP Facilities Net Revenue, Below Normal Year Average Revenue

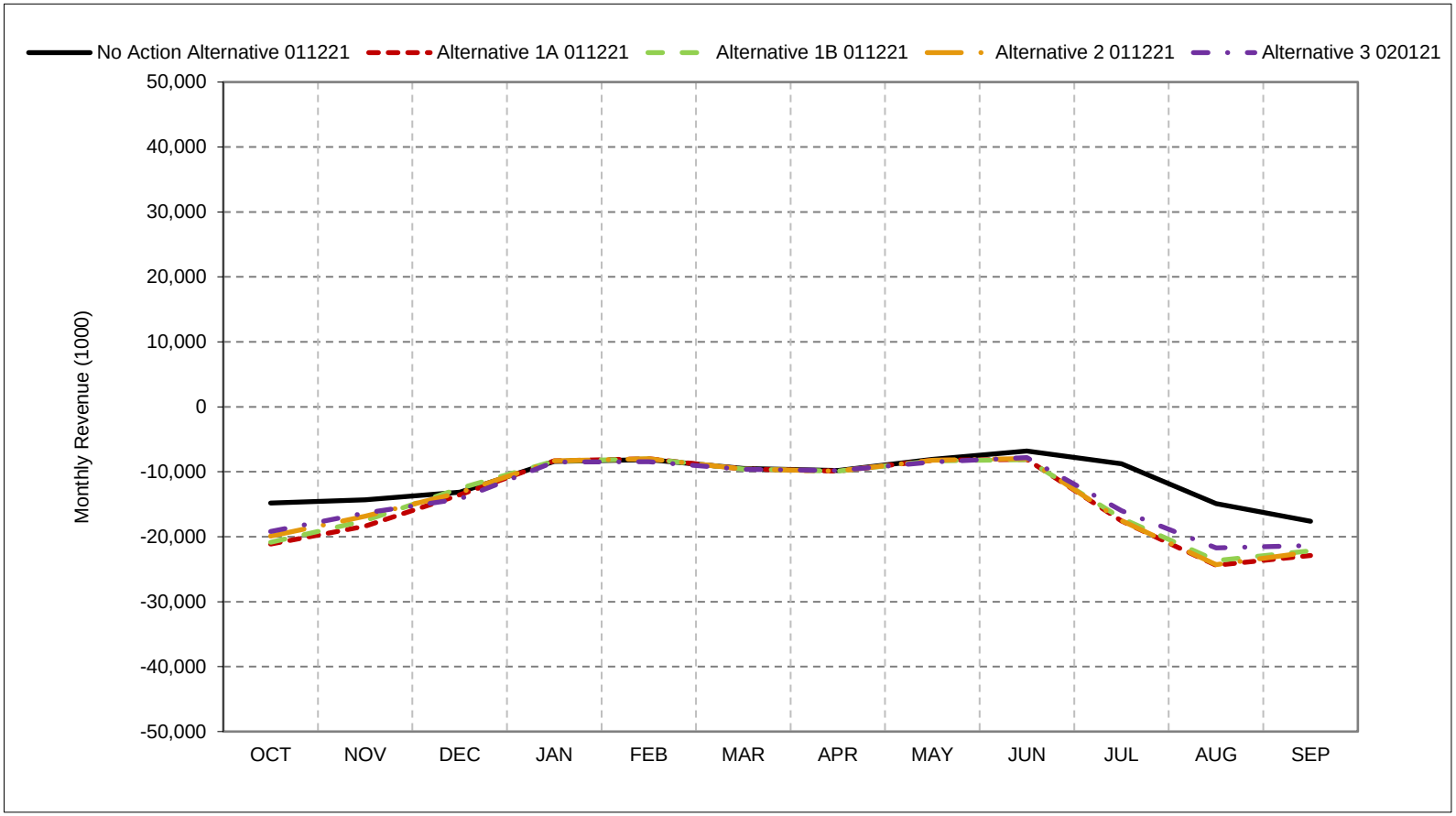


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 10-5. SWP Facilities Net Revenue, Dry Year Average Revenue

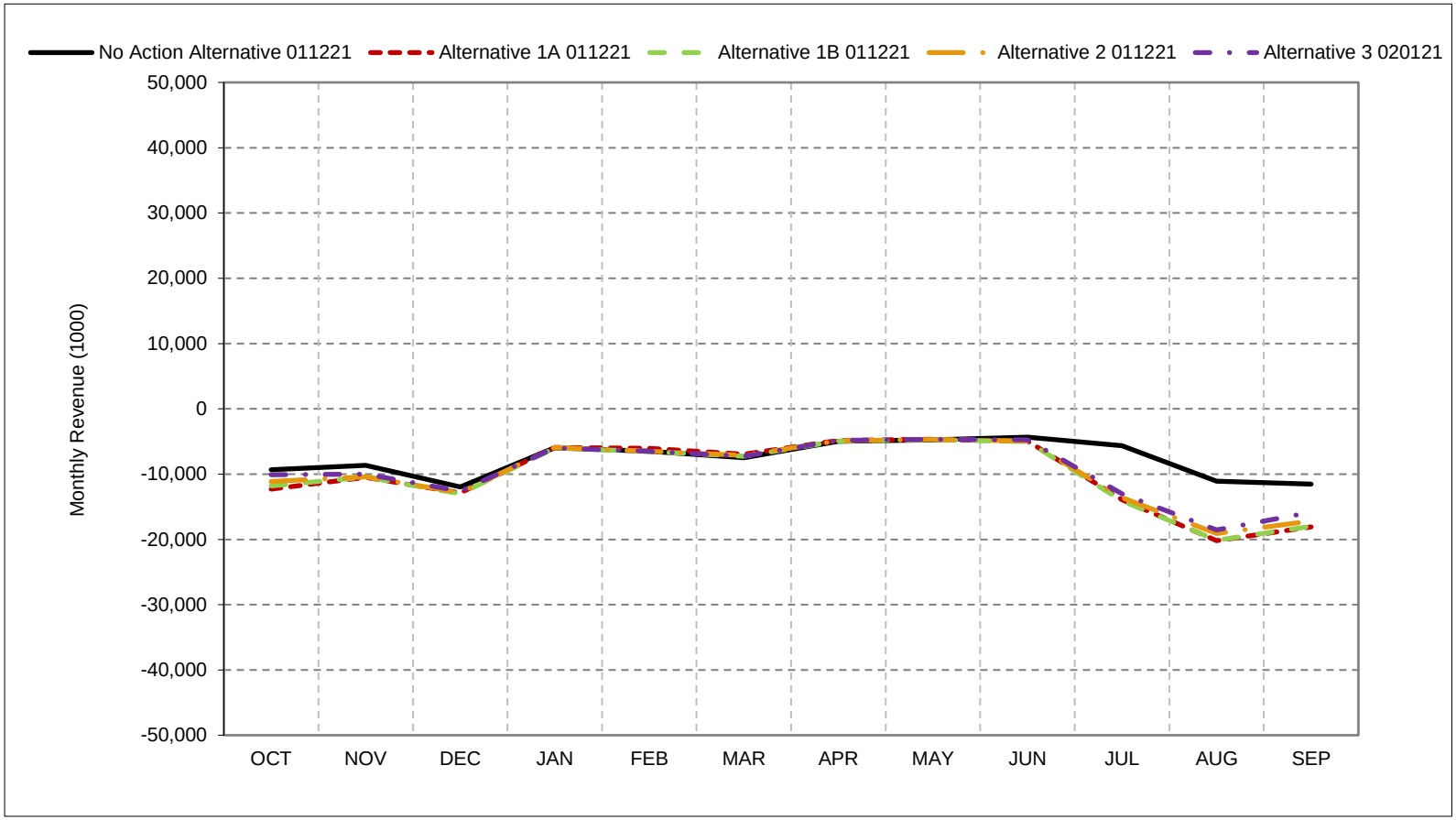


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 10-6. SWP Facilities Net Revenue, Critical Year Average Revenue

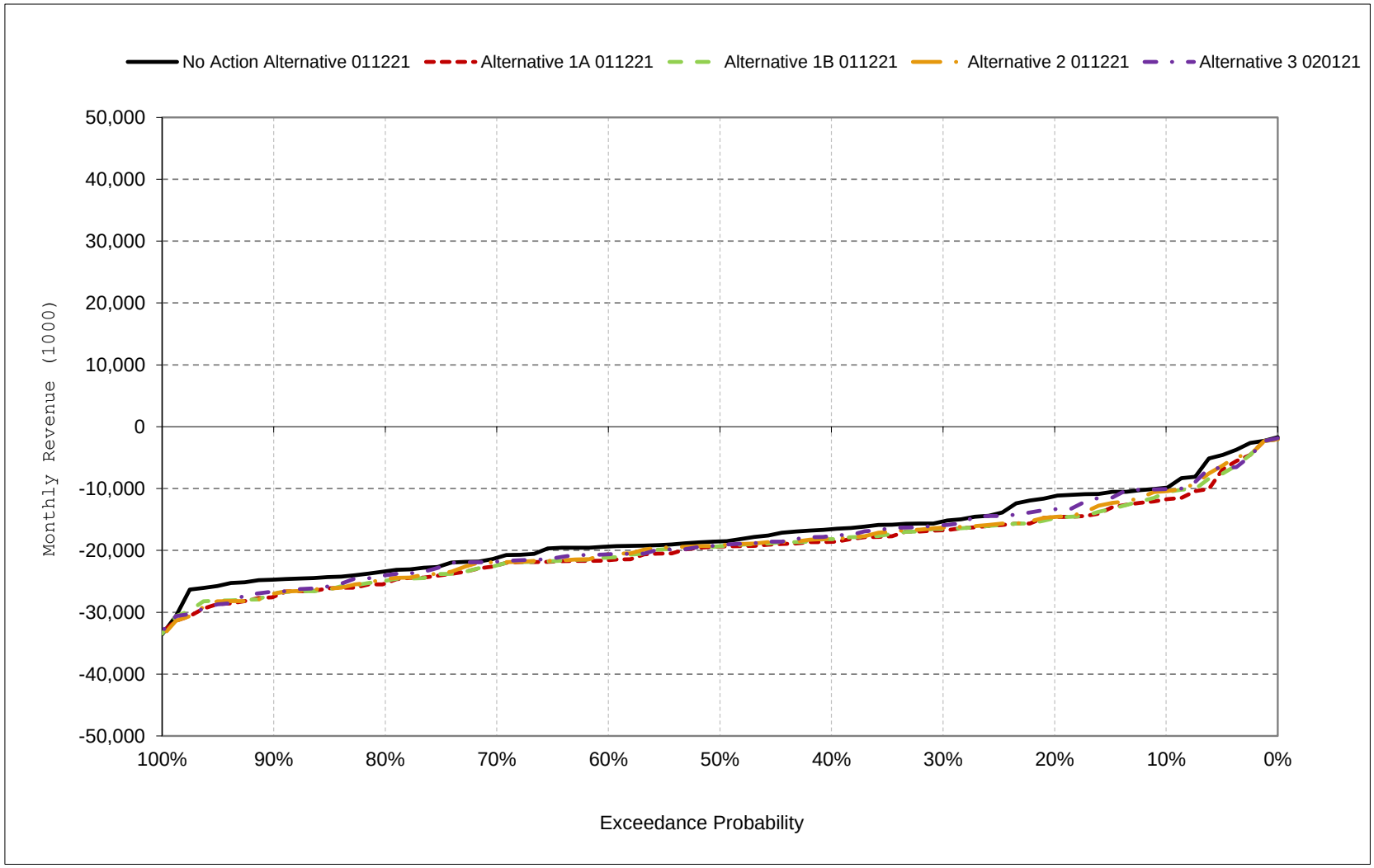


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

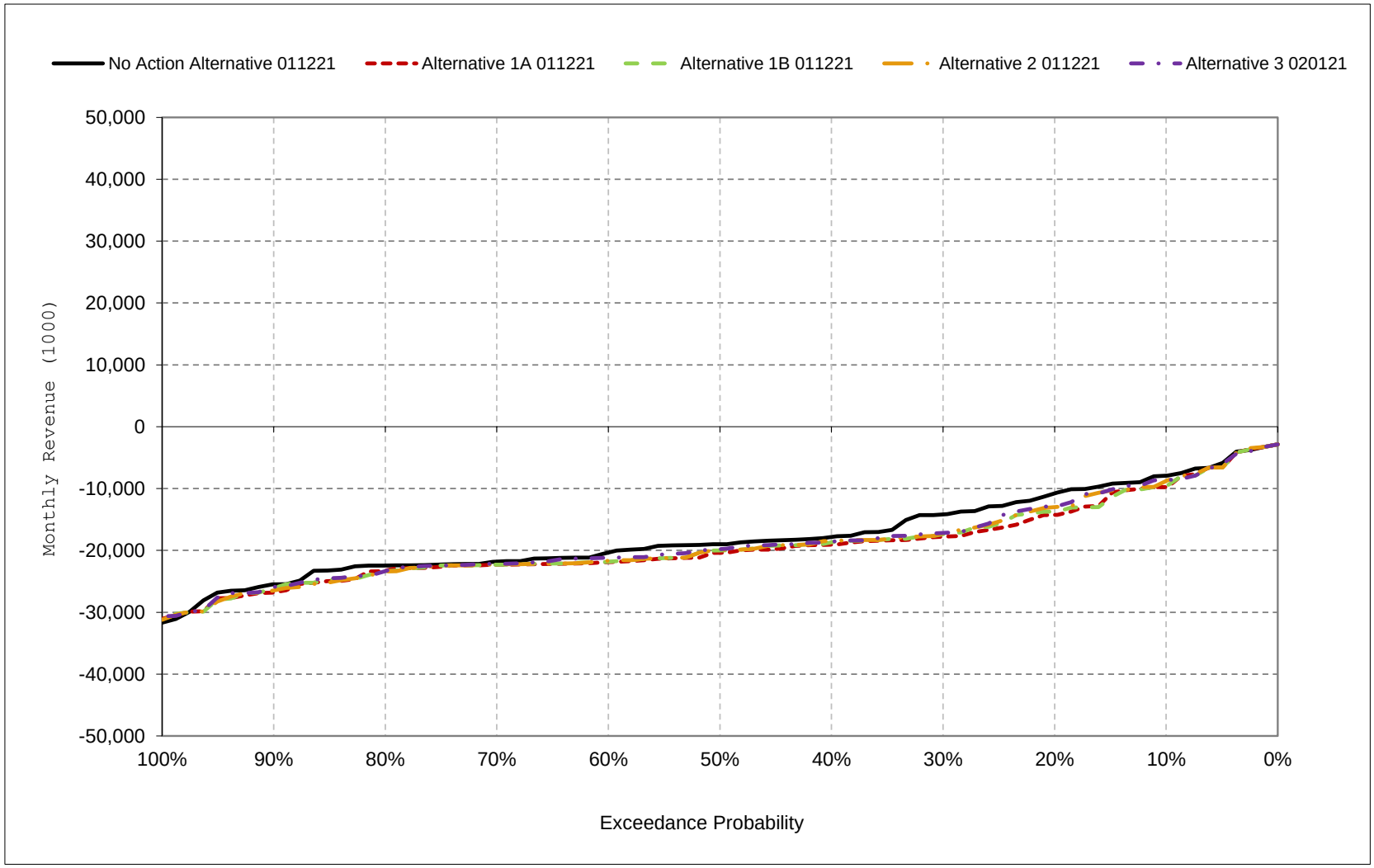
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 10-7. SWP Facilities Net Revenue, October



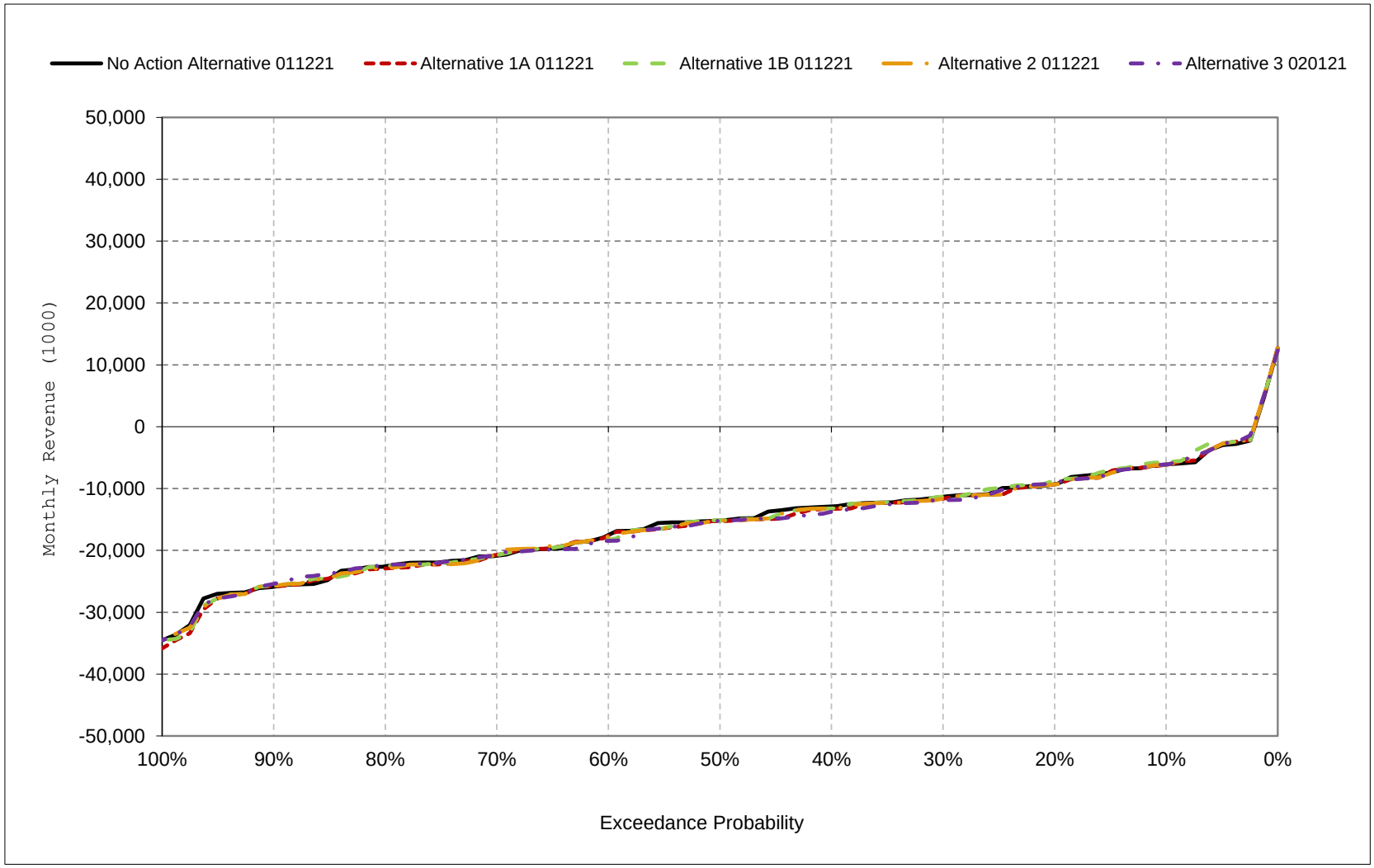
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 10-8. SWP Facilities Net Revenue, November



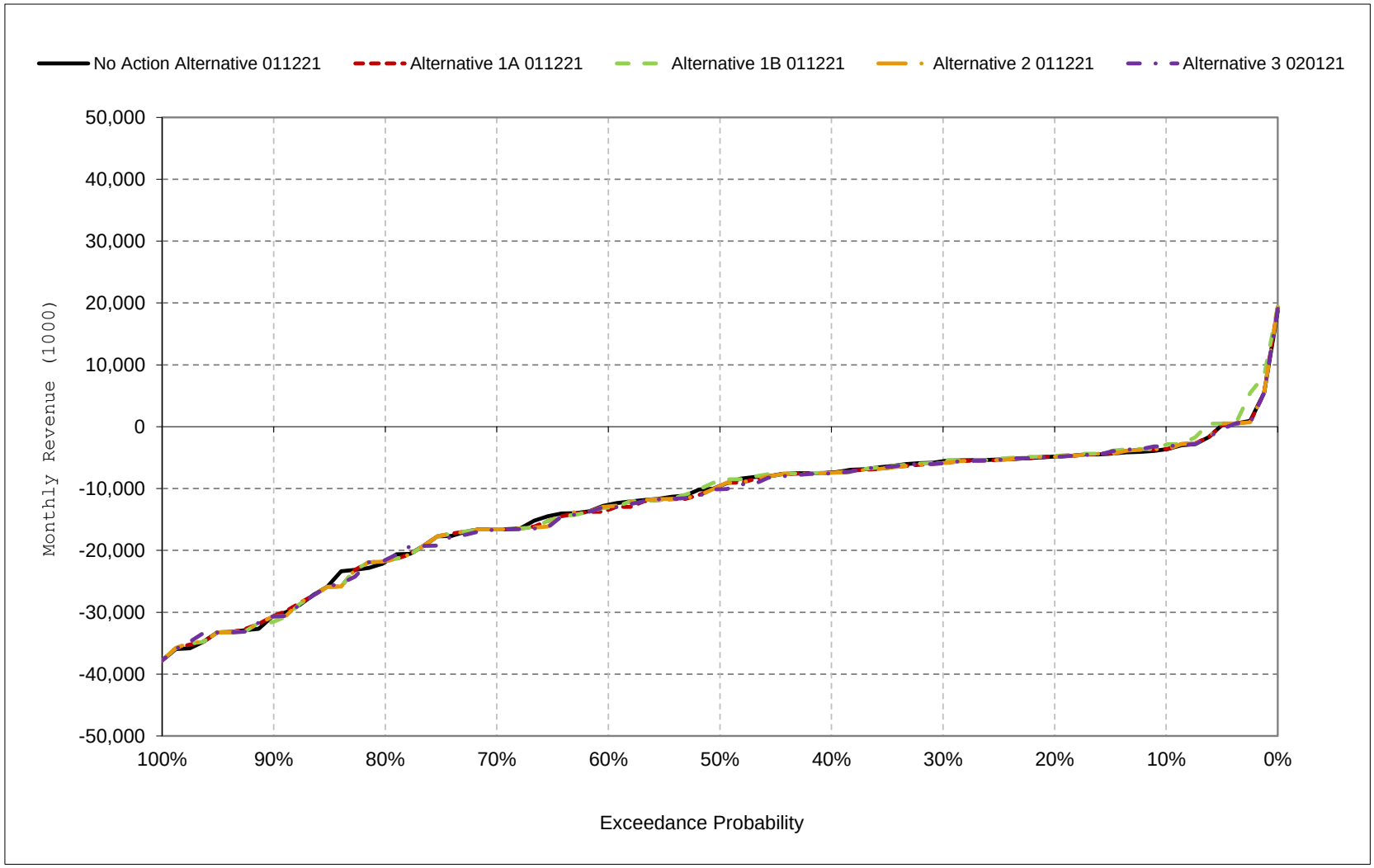
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 10-9. SWP Facilities Net Revenue, December



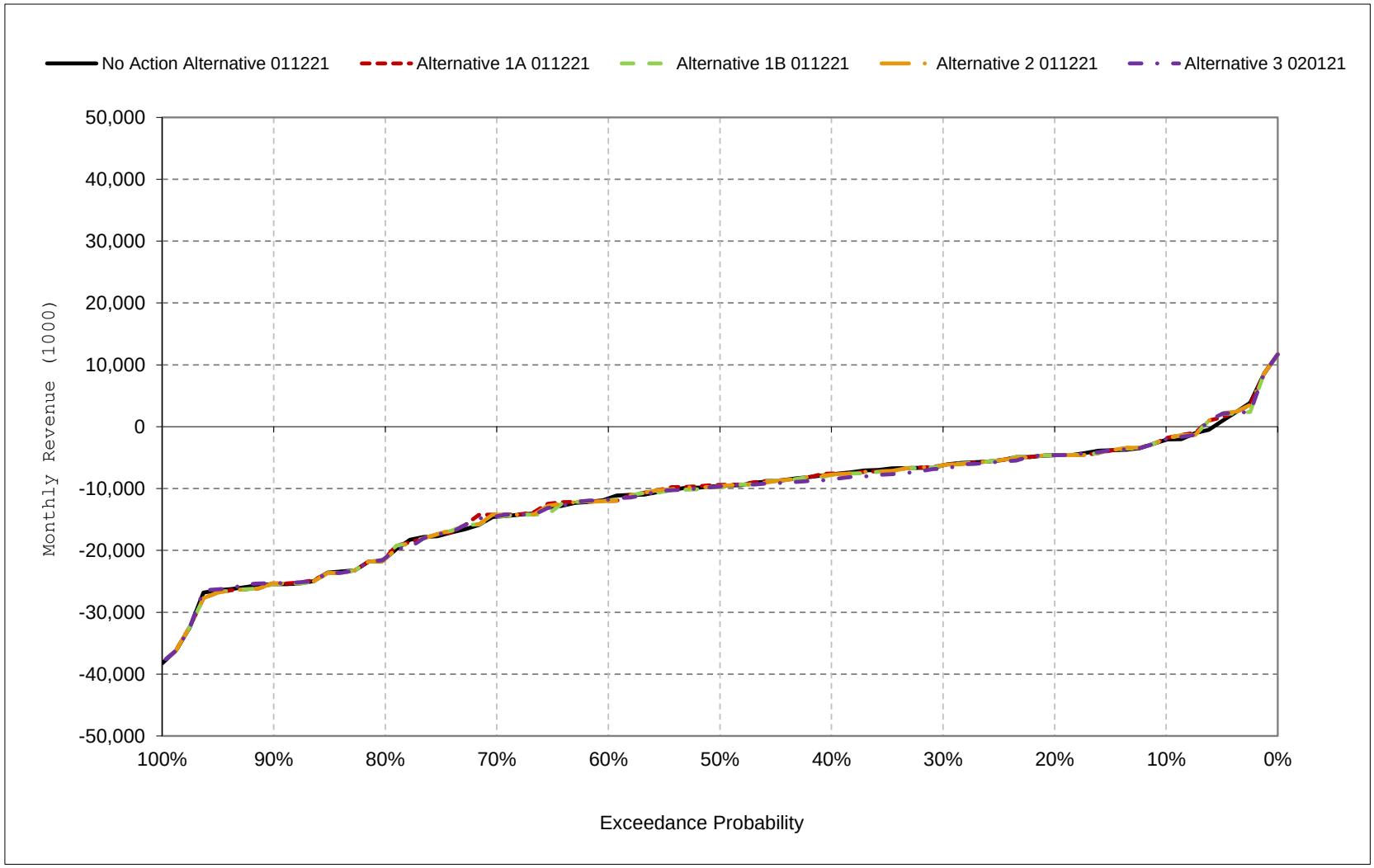
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 10-10. SWP Facilities Net Revenue, January



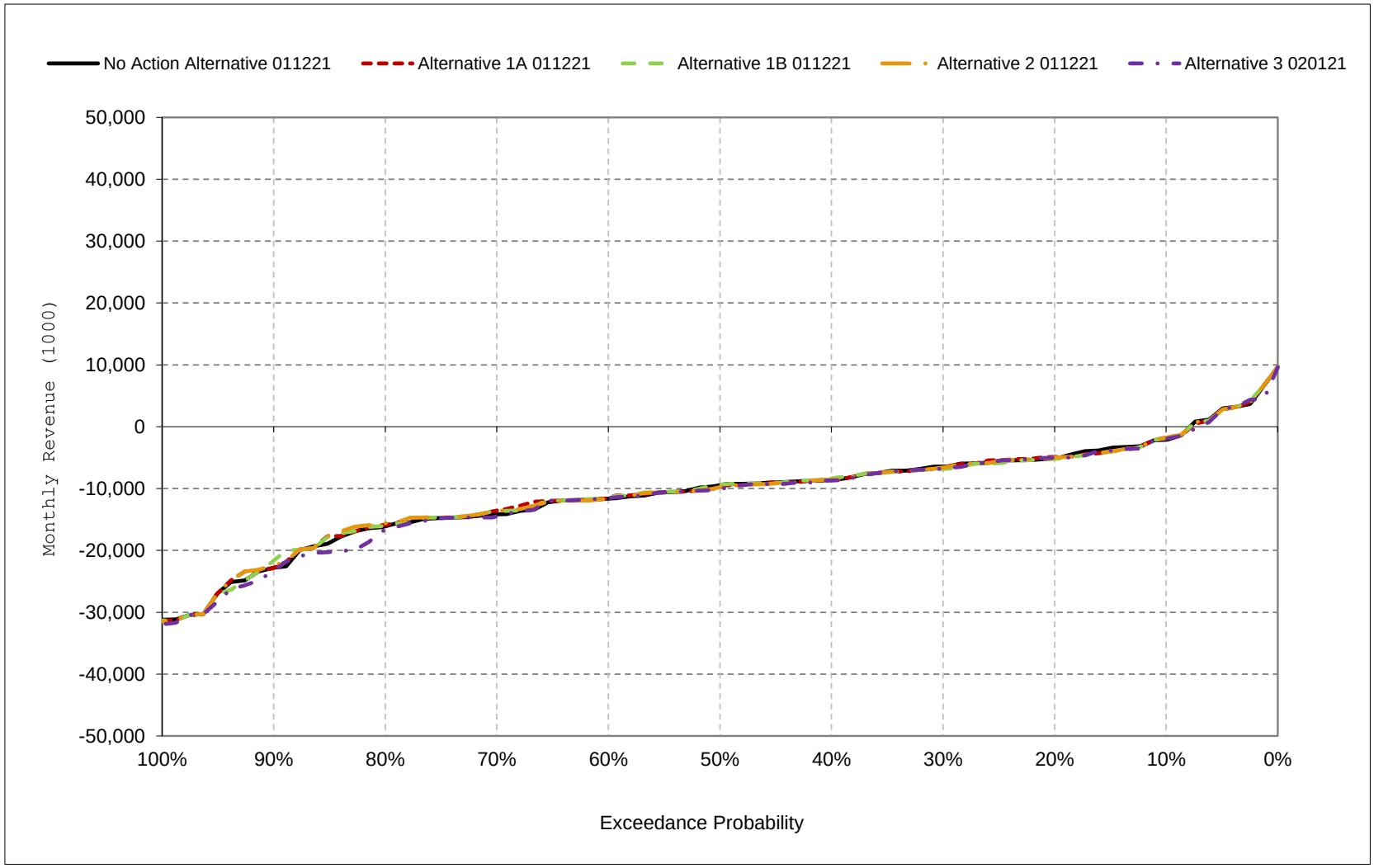
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 10-11. SWP Facilities Net Revenue, February



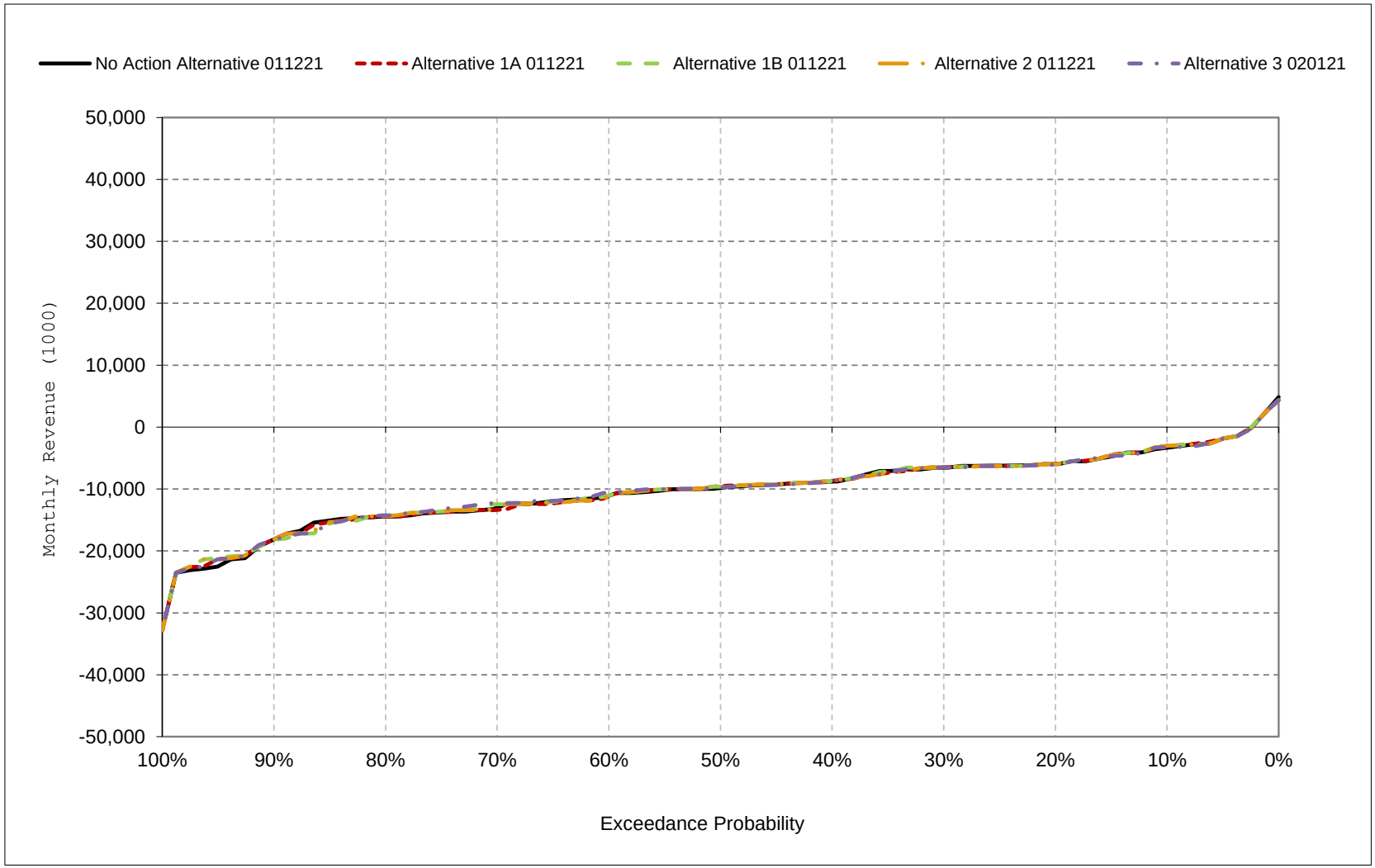
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 10-12. SWP Facilities Net Revenue, March



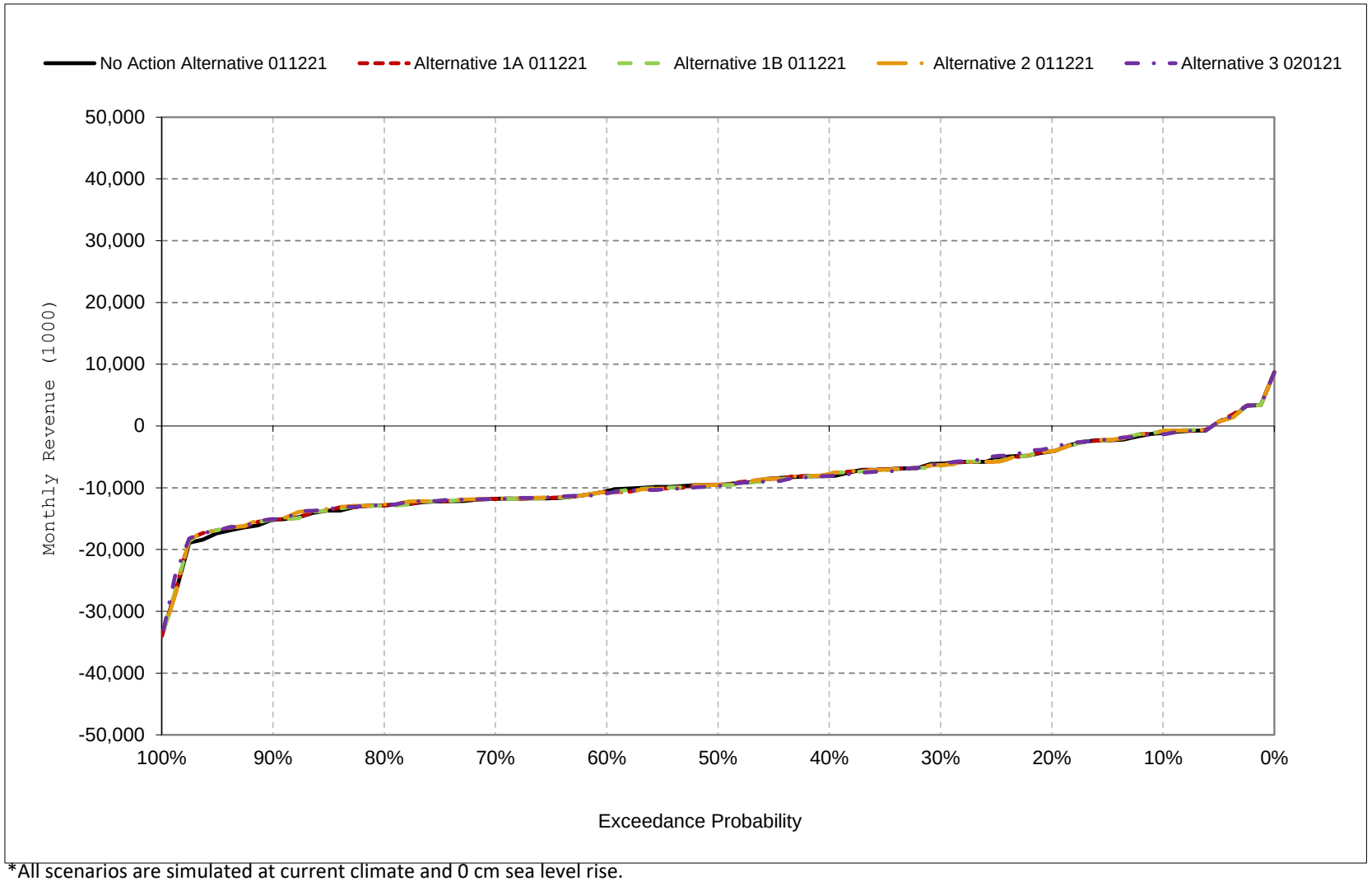
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 10-13. SWP Facilities Net Revenue, April



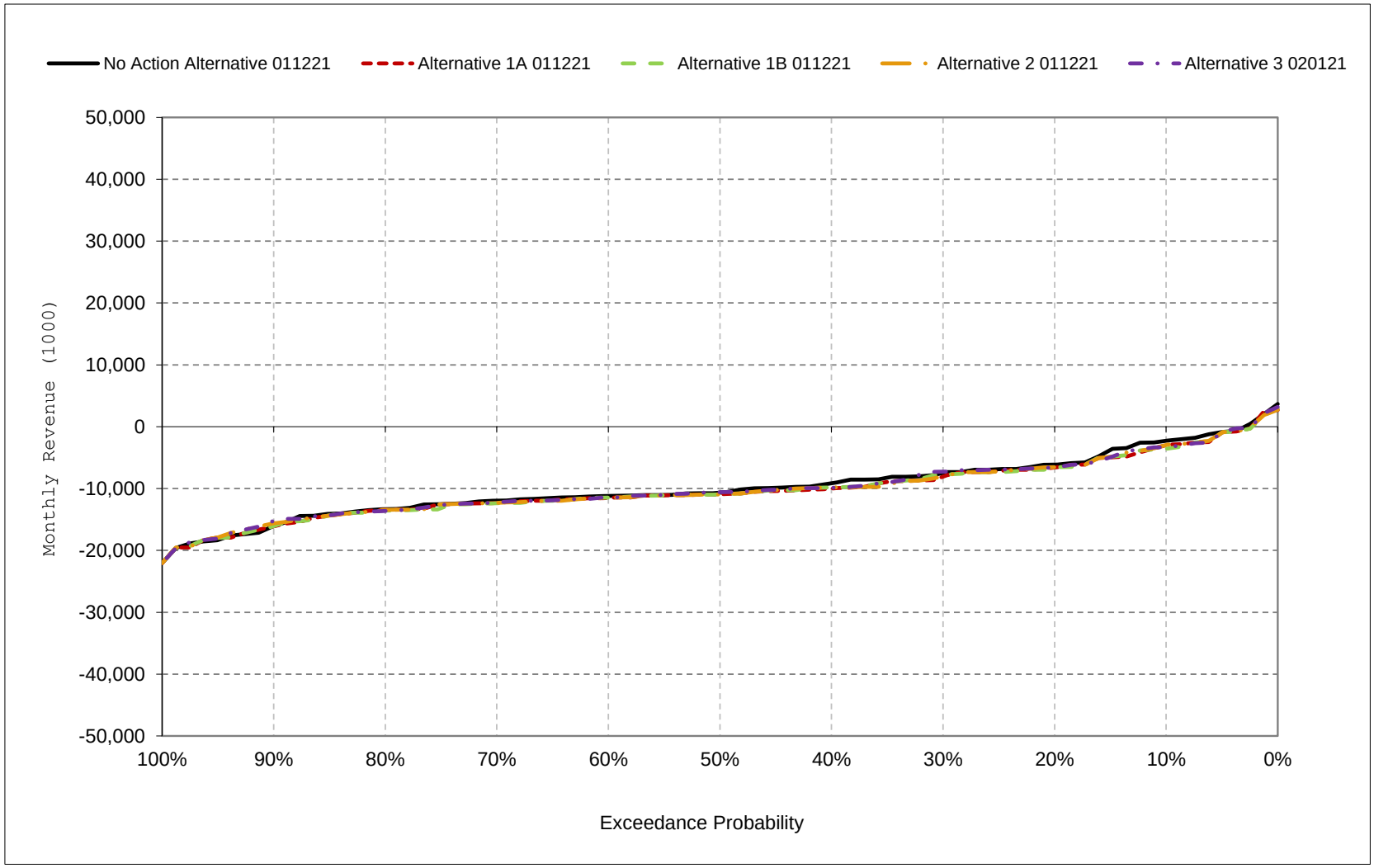
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 10-14. SWP Facilities Net Revenue, May



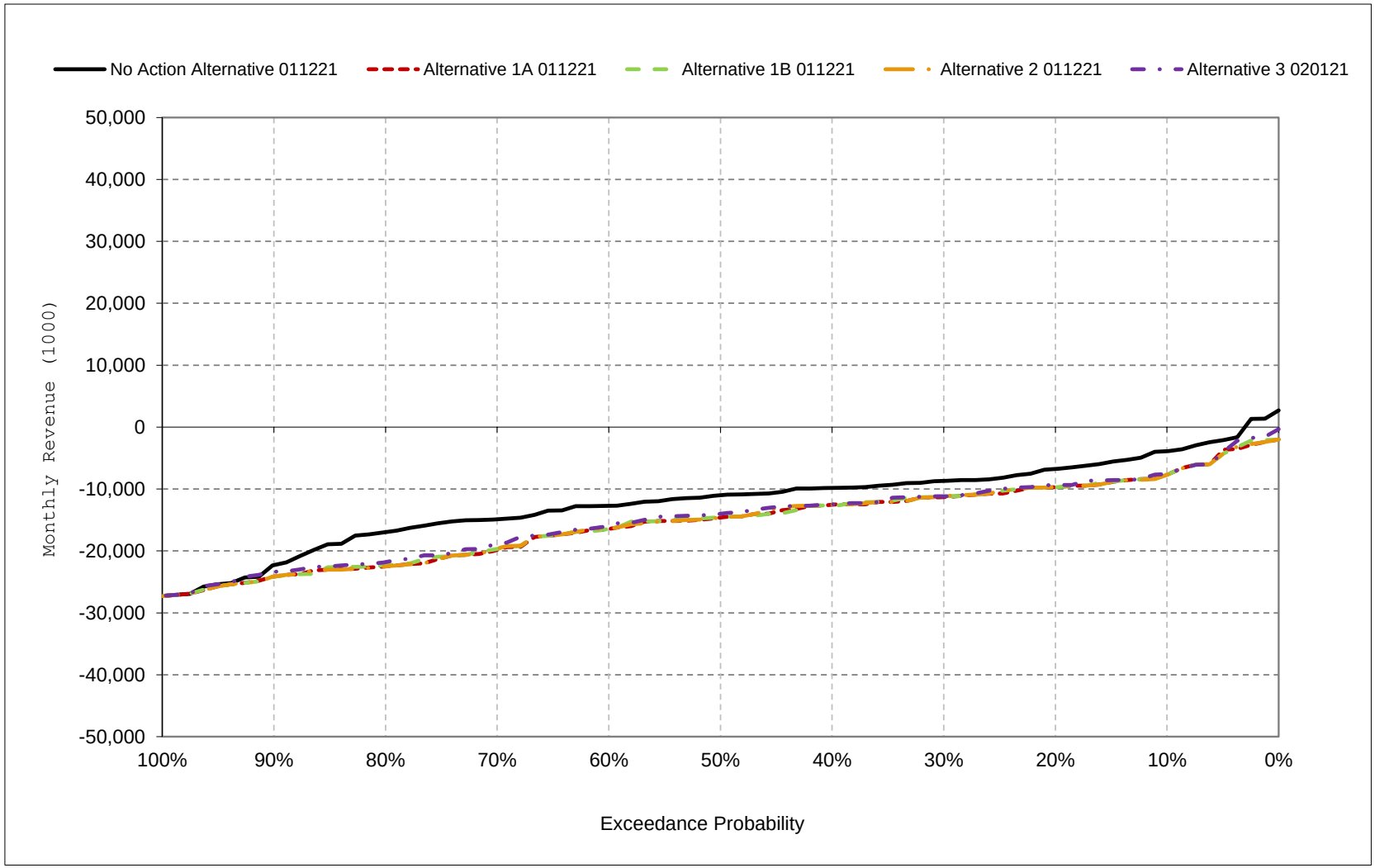
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 10-15. SWP Facilities Net Revenue, June



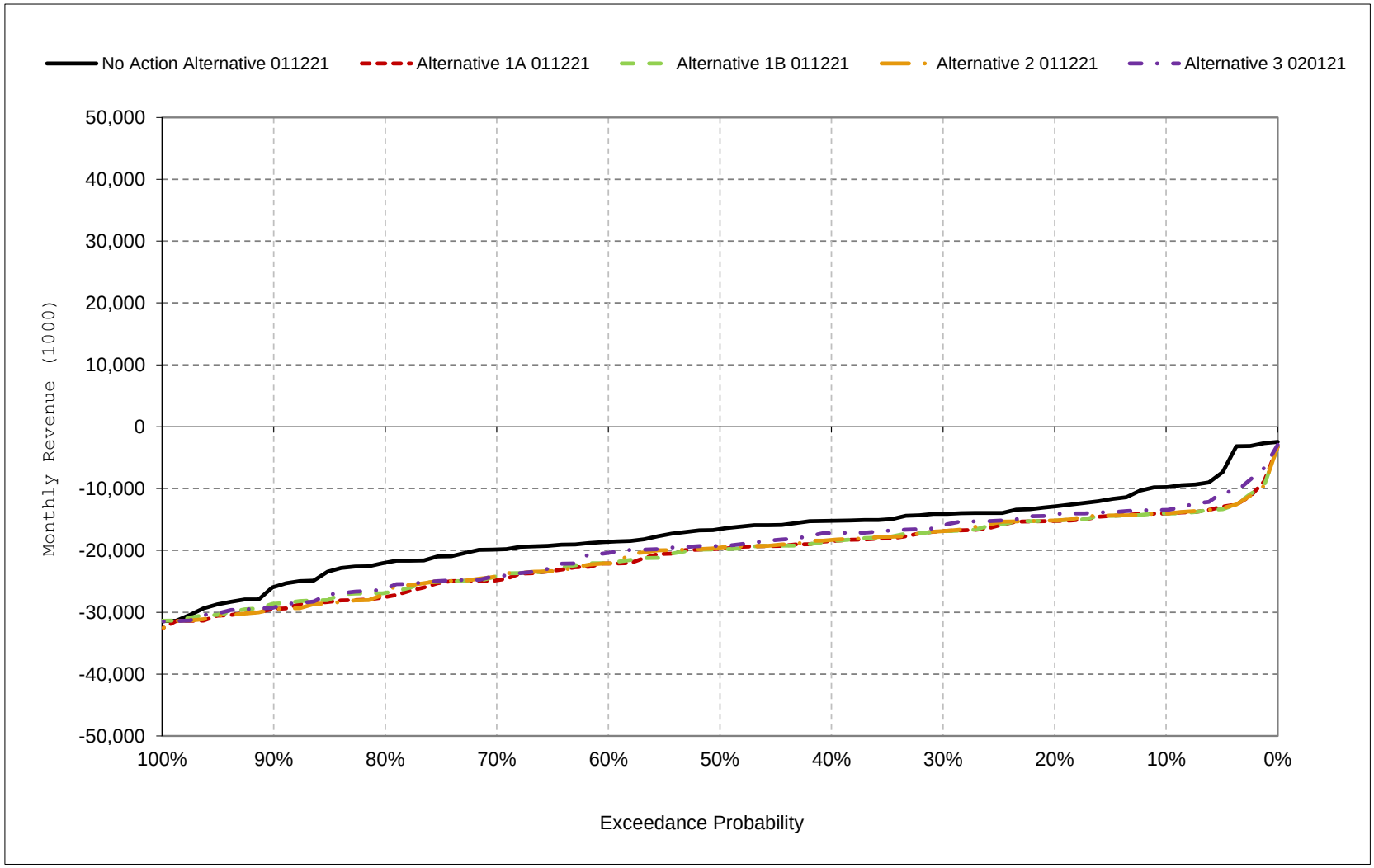
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 10-16. SWP Facilities Net Revenue, July



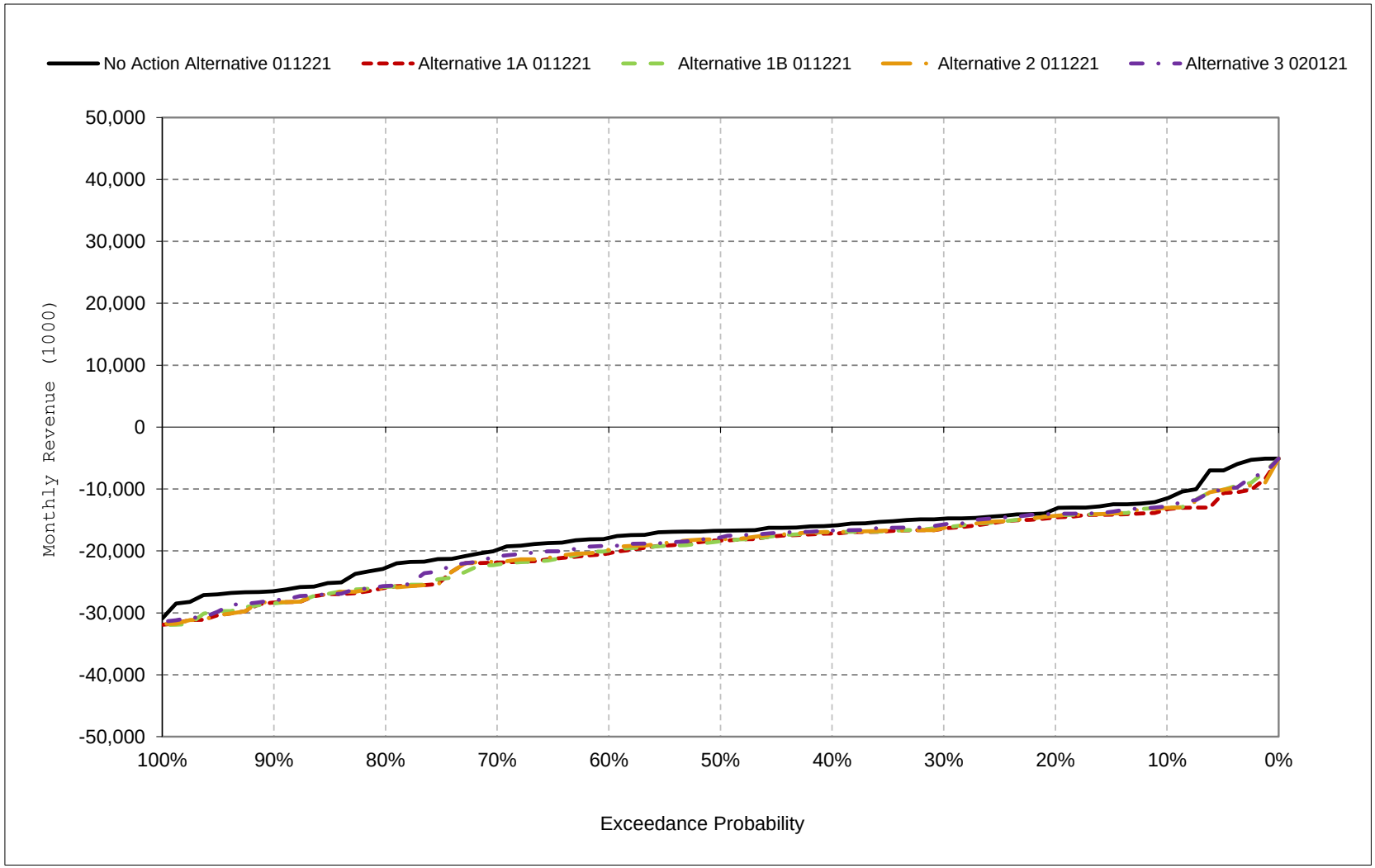
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 10-17. SWP Facilities Net Revenue, August



*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 10-18. SWP Facilities Net Revenue, September



*All scenarios are simulated at current climate and 0 cm sea level rise.

Table 11-1a. Sites Project Facilities Total Capacity, No Action Alternative 011221, Monthly Capacity (MW)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b,c]												
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (15%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (17%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0

Table 11-1b. Sites Project Facilities Total Capacity, Alternative 1A 011221, Monthly Capacity (MW)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	18	9	2	0	0	0	4	6	27	39	32	24
20%	11	5	1	0	0	0	2	3	20	29	23	16
30%	10	1	1	0	0	0	1	1	5	14	14	11
40%	9	1	0	0	0	0	1	0	3	5	11	10
50%	6	0	0	0	0	0	0	0	1	3	10	10
60%	4	0	0	0	0	0	0	0	1	1	10	8
70%	1	0	0	0	0	0	0	0	0	1	8	5
80%	0	0	0	0	0	0	0	0	0	1	1	1
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	8	3	1	0	0	0	2	3	8	12	13	10
Water Year Types[b,c]												
Wet (32%)	6	0	0	0	0	0	0	0	1	1	8	9
Above Normal (15%)	6	2	1	0	0	0	0	0	1	3	8	9
Below Normal (17%)	8	3	1	0	0	0	1	1	5	9	13	8
Dry (22%)	12	6	1	0	0	0	3	7	24	30	24	17
Critical (15%)	4	3	0	0	0	1	5	11	12	20	12	6

Table 11-1c. Sites Project Facilities Total Capacity, Alternative 1A 011221 minus No Action Alternative 011221, Monthly Capacity (MW)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	18	9	2	0	0	0	4	6	27	39	32	24
20%	11	5	1	0	0	0	2	3	20	29	23	16
30%	10	1	1	0	0	0	1	1	5	14	14	11
40%	9	1	0	0	0	0	1	0	3	5	11	10
50%	6	0	0	0	0	0	0	0	1	3	10	10
60%	4	0	0	0	0	0	0	0	1	1	10	8
70%	1	0	0	0	0	0	0	0	0	1	8	5
80%	0	0	0	0	0	0	0	0	0	1	1	1
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	8	3	1	0	0	0	2	3	8	12	13	10
Water Year Types[b,c]												
Wet (32%)	6	0	0	0	0	0	0	0	1	1	8	9
Above Normal (15%)	6	2	1	0	0	0	0	0	1	3	8	9
Below Normal (17%)	8	3	1	0	0	0	1	1	5	9	13	8
Dry (22%)	12	6	1	0	0	0	3	7	24	30	24	17
Critical (15%)	4	3	0	0	0	1	5	11	12	20	12	6

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 11-2a. Sites Project Facilities Total Capacity, No Action Alternative 011221, Monthly Capacity (MW)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b,c]												
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (15%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (17%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0

Table 11-2b. Sites Project Facilities Total Capacity, Alternative 1B 011221, Monthly Capacity (MW)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	17	9	5	0	0	0	6	18	32	36	29	21
20%	10	6	1	0	0	0	2	6	25	24	20	13
30%	9	3	1	0	0	0	1	4	16	14	13	10
40%	7	1	0	0	0	0	1	1	7	8	10	10
50%	5	0	0	0	0	0	1	0	1	2	10	9
60%	3	0	0	0	0	0	0	0	1	1	10	5
70%	1	0	0	0	0	0	0	0	0	1	8	2
80%	0	0	0	0	0	0	0	0	0	1	1	1
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	6	3	1	0	0	0	2	5	11	12	12	9
Water Year Types[b,c]												
Wet (32%)	6	2	2	0	0	0	0	0	1	1	8	8
Above Normal (15%)	5	2	1	0	0	0	0	1	15	8	8	7
Below Normal (17%)	7	3	1	0	0	0	1	7	8	9	11	7
Dry (22%)	10	6	1	0	0	0	6	11	22	27	24	14
Critical (15%)	3	2	0	0	0	1	5	11	13	19	10	4

Table 11-2c. Sites Project Facilities Total Capacity, Alternative 1B 011221 minus No Action Alternative 011221, Monthly Capacity (MW)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	17	9	5	0	0	0	6	18	32	36	29	21
20%	10	6	1	0	0	0	2	6	25	24	20	13
30%	9	3	1	0	0	0	1	4	16	14	13	10
40%	7	1	0	0	0	0	1	1	7	8	10	10
50%	5	0	0	0	0	0	1	0	1	2	10	9
60%	3	0	0	0	0	0	0	0	1	1	10	5
70%	1	0	0	0	0	0	0	0	0	1	8	2
80%	0	0	0	0	0	0	0	0	0	1	1	1
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	6	3	1	0	0	0	2	5	11	12	12	9
Water Year Types[b,c]												
Wet (32%)	6	2	2	0	0	0	0	0	1	1	8	8
Above Normal (15%)	5	2	1	0	0	0	0	1	15	8	8	7
Below Normal (17%)	7	3	1	0	0	0	1	7	8	9	11	7
Dry (22%)	10	6	1	0	0	0	6	11	22	27	24	14
Critical (15%)	3	2	0	0	0	1	5	11	13	19	10	4

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 11-3a. Sites Project Facilities Total Capacity, No Action Alternative 011221, Monthly Capacity (MW)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b,c]												
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (15%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (17%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0

Table 11-3b. Sites Project Facilities Total Capacity, Alternative 2 011221, Monthly Capacity (MW)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	16	8	3	0	0	0	4	5	25	36	29	20
20%	10	2	1	0	0	0	2	3	14	18	20	11
30%	9	1	1	0	0	0	1	2	5	11	12	10
40%	9	1	0	0	0	0	1	0	3	5	10	9
50%	5	0	0	0	0	0	0	0	1	3	9	9
60%	4	0	0	0	0	0	0	0	1	1	9	8
70%	1	0	0	0	0	0	0	0	0	1	8	4
80%	1	0	0	0	0	0	0	0	0	1	1	1
90%	0	0	0	0	0	0	0	0	0	0	0	1
Long Term												
Full Simulation Period[a]	7	2	1	0	0	0	2	3	7	11	12	9
Water Year Types[b,c]												
Wet (32%)	5	0	0	0	0	0	0	0	0	1	7	9
Above Normal (15%)	6	2	1	0	0	0	0	0	1	3	8	8
Below Normal (17%)	8	4	1	0	0	0	1	1	4	9	13	8
Dry (22%)	9	5	1	0	0	0	3	7	21	27	21	13
Critical (15%)	4	2	0	0	0	1	5	10	10	16	10	4

Table 11-3c. Sites Project Facilities Total Capacity, Alternative 2 011221 minus No Action Alternative 011221, Monthly Capacity (MW)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	16	8	3	0	0	0	4	5	25	36	29	20
20%	10	2	1	0	0	0	2	3	14	18	20	11
30%	9	1	1	0	0	0	1	2	5	11	12	10
40%	9	1	0	0	0	0	1	0	3	5	10	9
50%	5	0	0	0	0	0	0	0	1	3	9	9
60%	4	0	0	0	0	0	0	0	1	1	9	8
70%	1	0	0	0	0	0	0	0	0	1	8	4
80%	1	0	0	0	0	0	0	0	0	1	1	1
90%	0	0	0	0	0	0	0	0	0	0	0	1
Long Term												
Full Simulation Period[a]	7	2	1	0	0	0	2	3	7	11	12	9
Water Year Types[b,c]												
Wet (32%)	5	0	0	0	0	0	0	0	0	1	7	9
Above Normal (15%)	6	2	1	0	0	0	0	0	1	3	8	8
Below Normal (17%)	8	4	1	0	0	0	1	1	4	9	13	8
Dry (22%)	9	5	1	0	0	0	3	7	21	27	21	13
Critical (15%)	4	2	0	0	0	1	5	10	10	16	10	4

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 11-4a. Sites Project Facilities Total Capacity, No Action Alternative 011221, Monthly Capacity (MW)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b,c]												
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (15%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (17%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0

Table 11-4b. Sites Project Facilities Total Capacity, Alternative 3 020121, Monthly Capacity (MW)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	17	6	5	0	0	0	6	29	41	44	37	18
20%	10	5	1	0	0	0	2	9	32	35	20	10
30%	9	1	1	0	0	0	1	3	21	31	13	10
40%	6	1	0	0	0	0	1	0	11	16	10	9
50%	4	0	0	0	0	0	0	0	1	6	10	6
60%	2	0	0	0	0	0	0	0	1	1	8	4
70%	1	0	0	0	0	0	0	0	0	1	1	1
80%	0	0	0	0	0	0	0	0	0	1	0	1
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	6	2	1	0	0	0	2	6	14	16	12	7
Water Year Types[b,c]												
Wet (32%)	5	2	2	0	0	0	0	0	0	1	8	8
Above Normal (15%)	7	2	1	0	0	0	0	1	21	33	23	9
Below Normal (17%)	7	3	1	0	0	0	1	9	22	20	12	5
Dry (22%)	8	3	0	0	0	0	5	15	25	27	17	10
Critical (15%)	3	2	0	0	0	1	5	12	10	13	6	3

Table 11-4c. Sites Project Facilities Total Capacity, Alternative 3 020121 minus No Action Alternative 011221, Monthly Capacity (MW)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	17	6	5	0	0	0	6	29	41	44	37	18
20%	10	5	1	0	0	0	2	9	32	35	20	10
30%	9	1	1	0	0	0	1	3	21	31	13	10
40%	6	1	0	0	0	0	1	0	11	16	10	9
50%	4	0	0	0	0	0	0	0	1	6	10	6
60%	2	0	0	0	0	0	0	0	1	1	8	4
70%	1	0	0	0	0	0	0	0	0	1	1	1
80%	0	0	0	0	0	0	0	0	0	1	0	1
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	6	2	1	0	0	0	2	6	14	16	12	7
Water Year Types[b,c]												
Wet (32%)	5	2	2	0	0	0	0	0	0	1	8	8
Above Normal (15%)	7	2	1	0	0	0	0	1	21	33	23	9
Below Normal (17%)	7	3	1	0	0	0	1	9	22	20	12	5
Dry (22%)	8	3	0	0	0	0	5	15	25	27	17	10
Critical (15%)	3	2	0	0	0	1	5	12	10	13	6	3

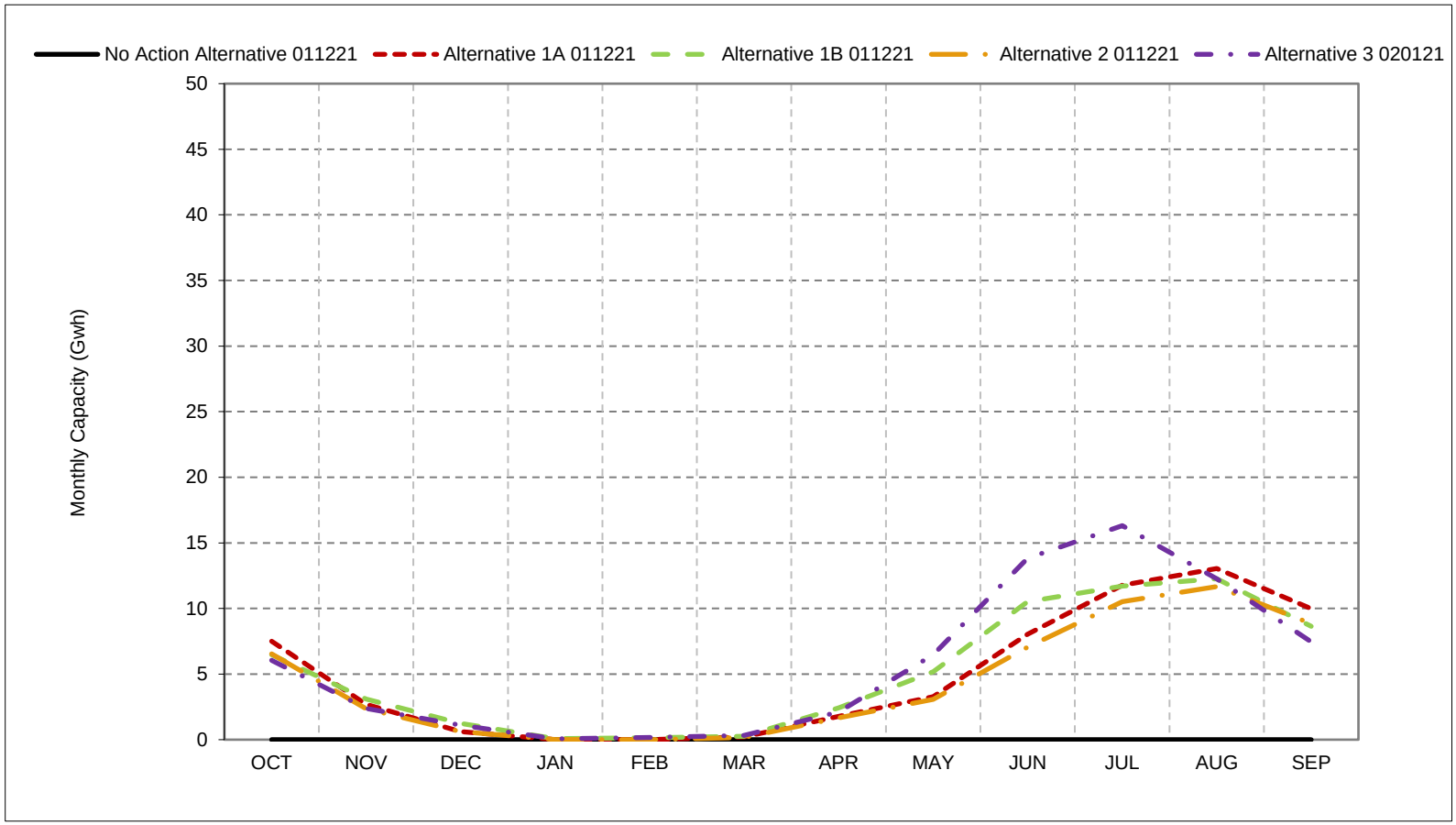
a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 11-1. Sites Project Facilities Total Capacity, Long-Term Average Capacity

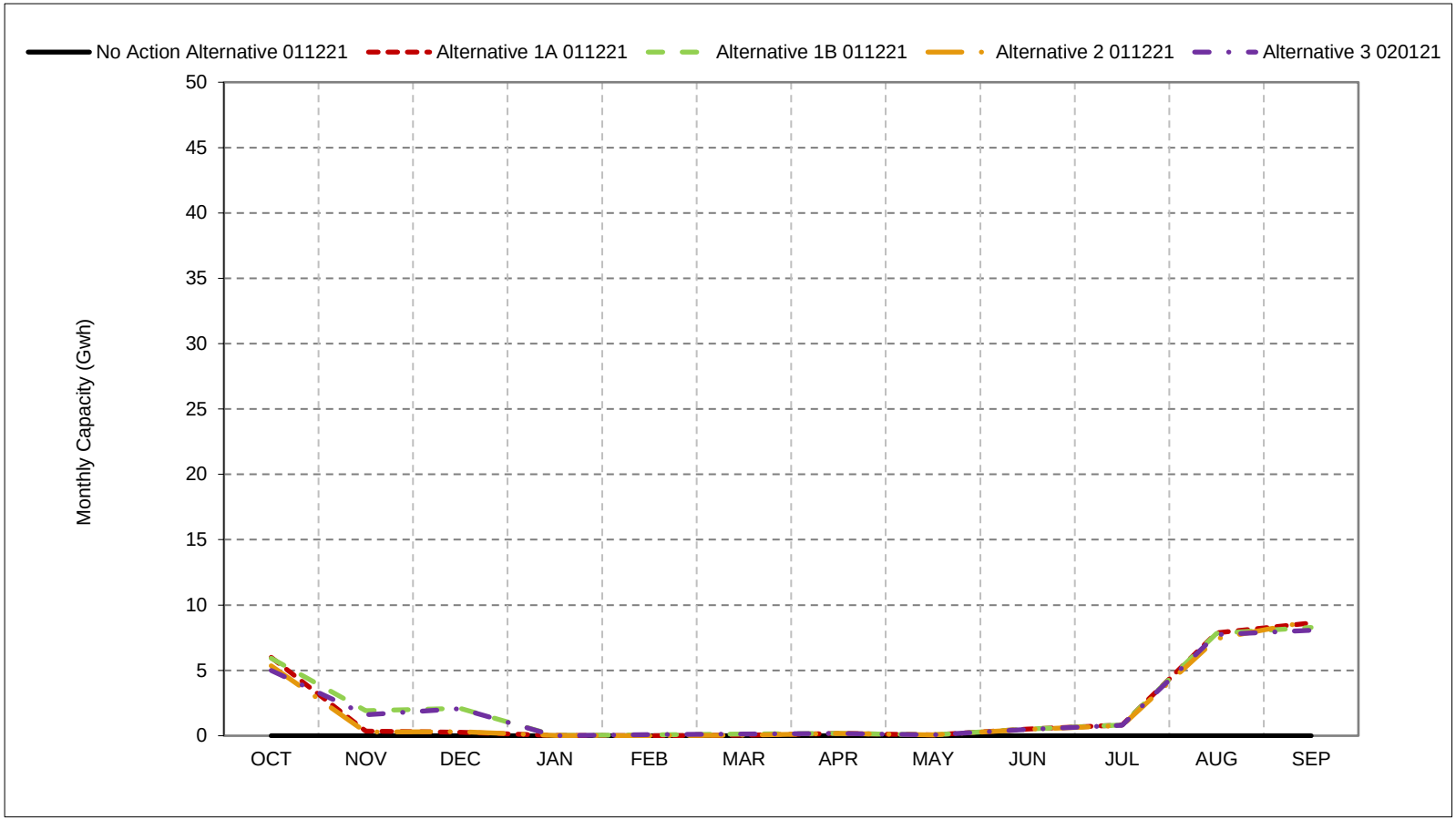


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 11-2. Sites Project Facilities Total Capacity, Wet Year Average Capacity

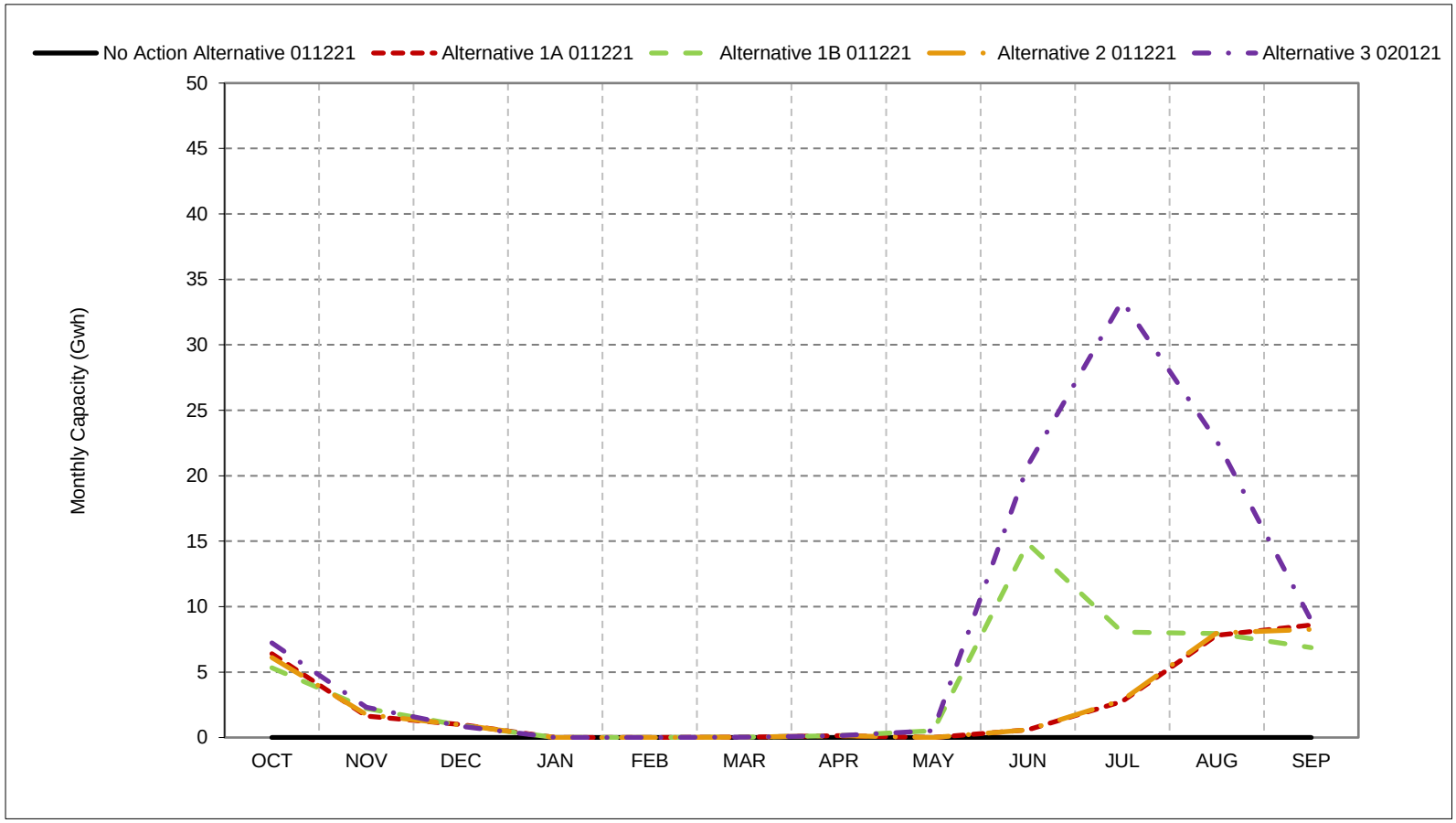


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 11-3. Sites Project Facilities Total Capacity, Above Normal Year Average Capacity

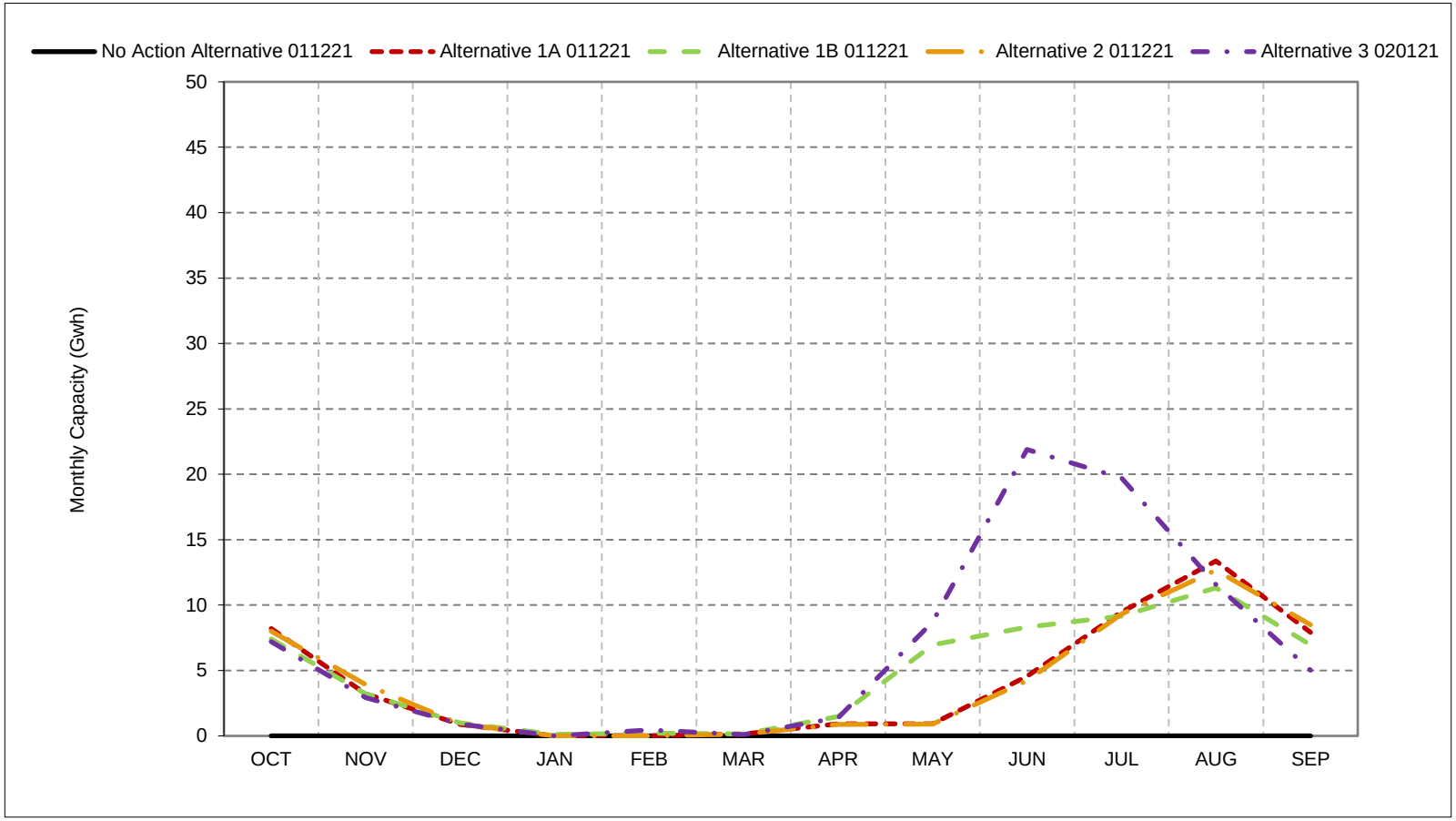


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 11-4. Sites Project Facilities Total Capacity, Below Normal Year Average Capacity

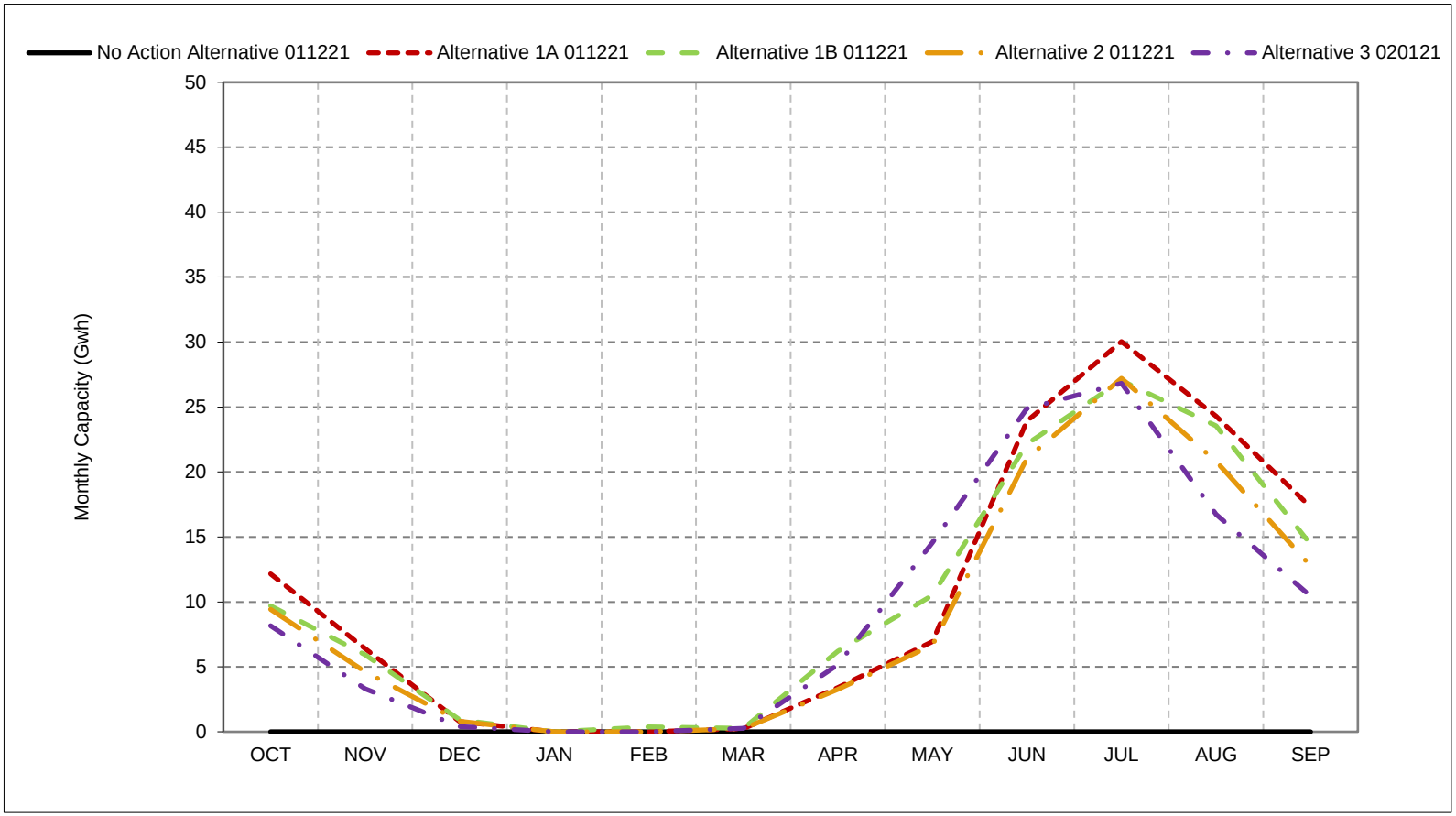


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 11-5. Sites Project Facilities Total Capacity, Dry Year Average Capacity

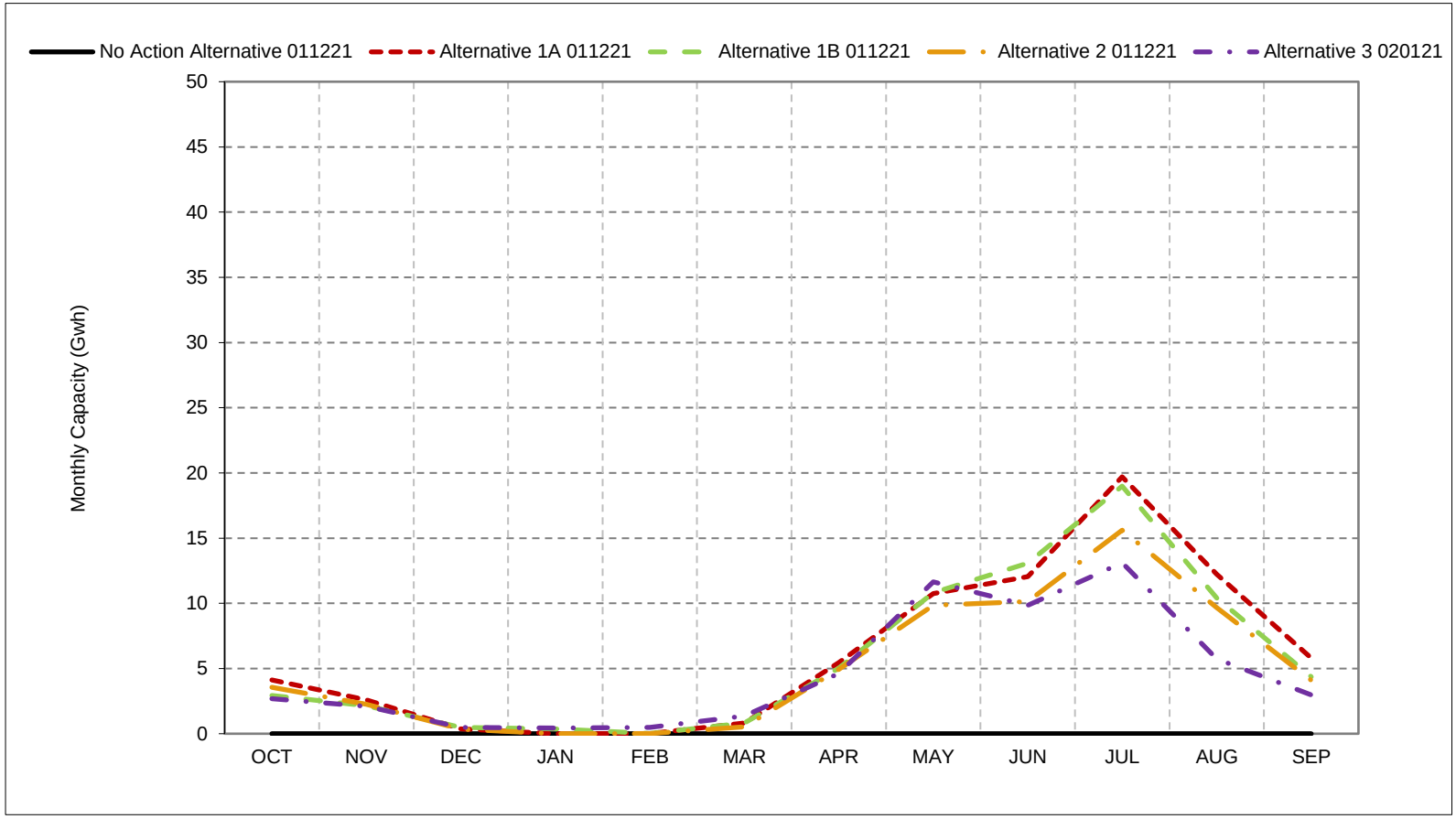


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 11-6. Sites Project Facilities Total Capacity, Critical Year Average Capacity

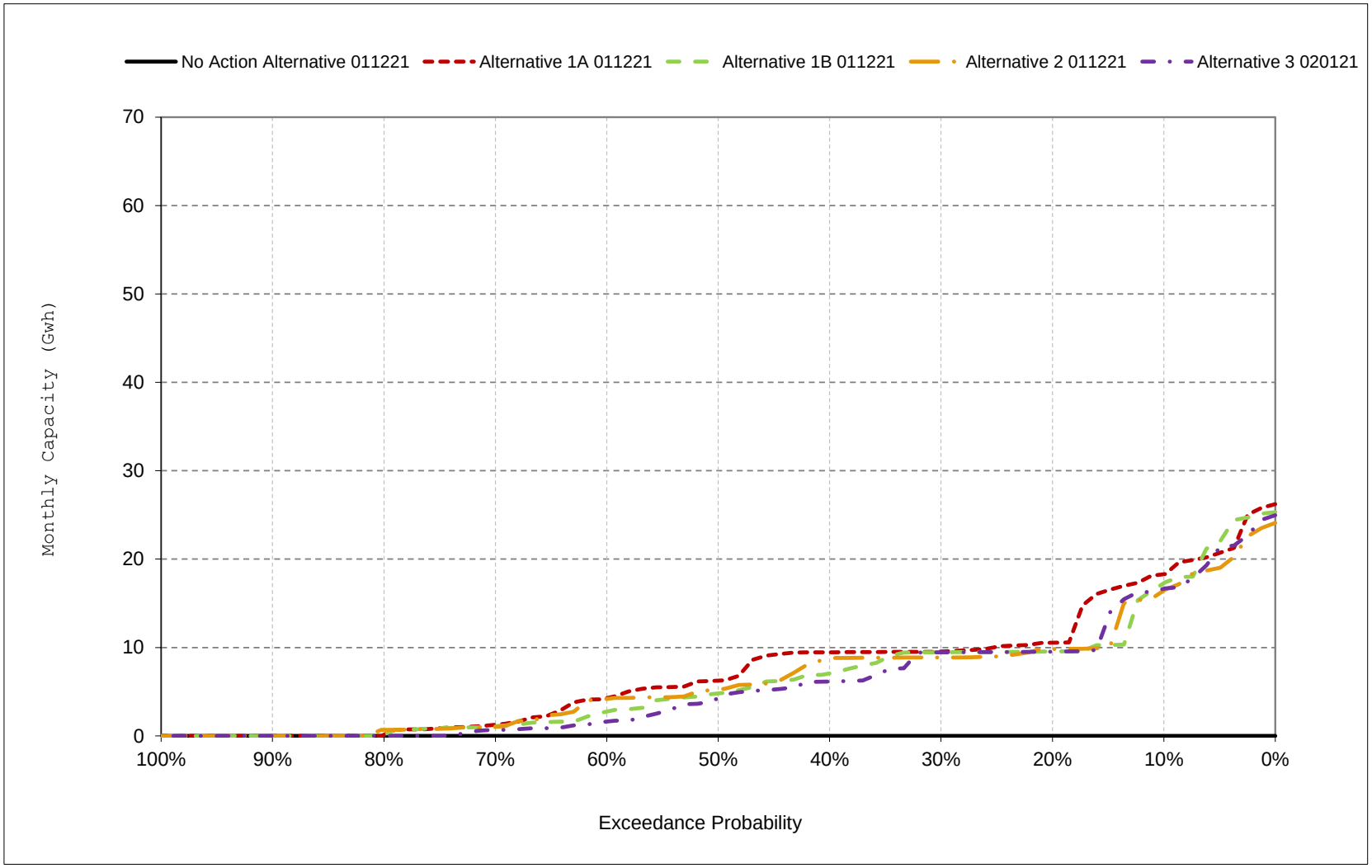


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

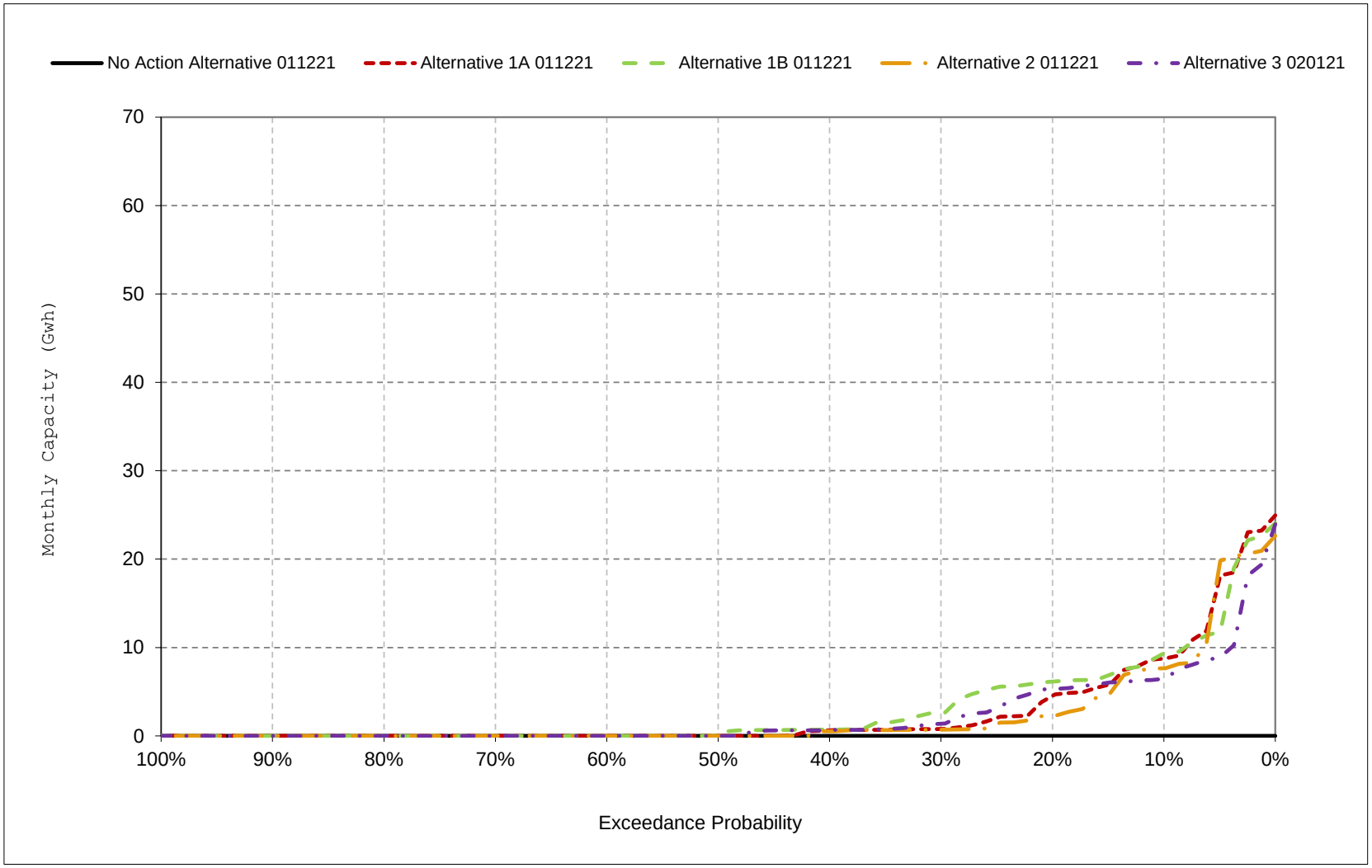
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 11-7. Sites Project Facilities Total Capacity, October



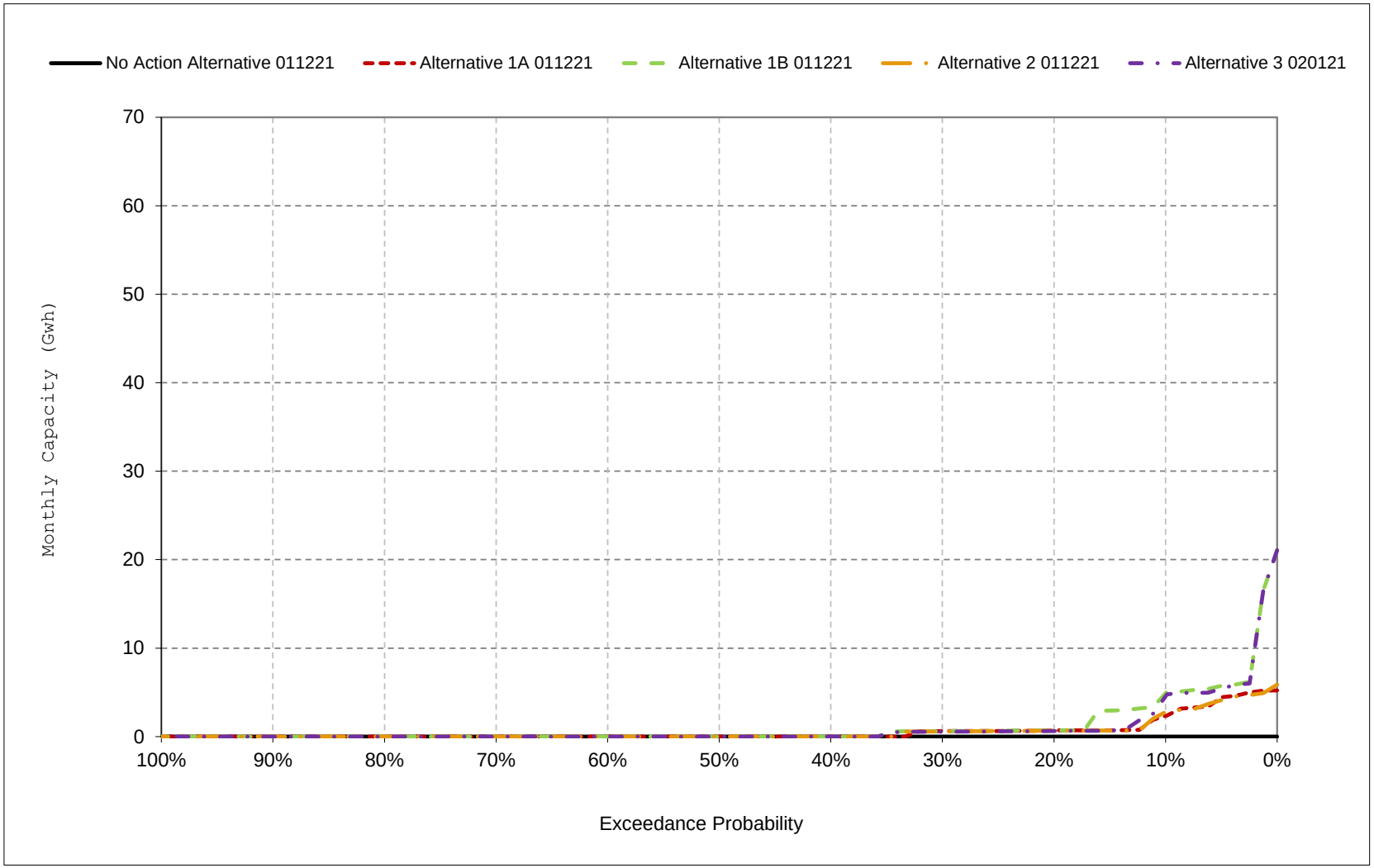
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 11-8. Sites Project Facilities Total Capacity, November



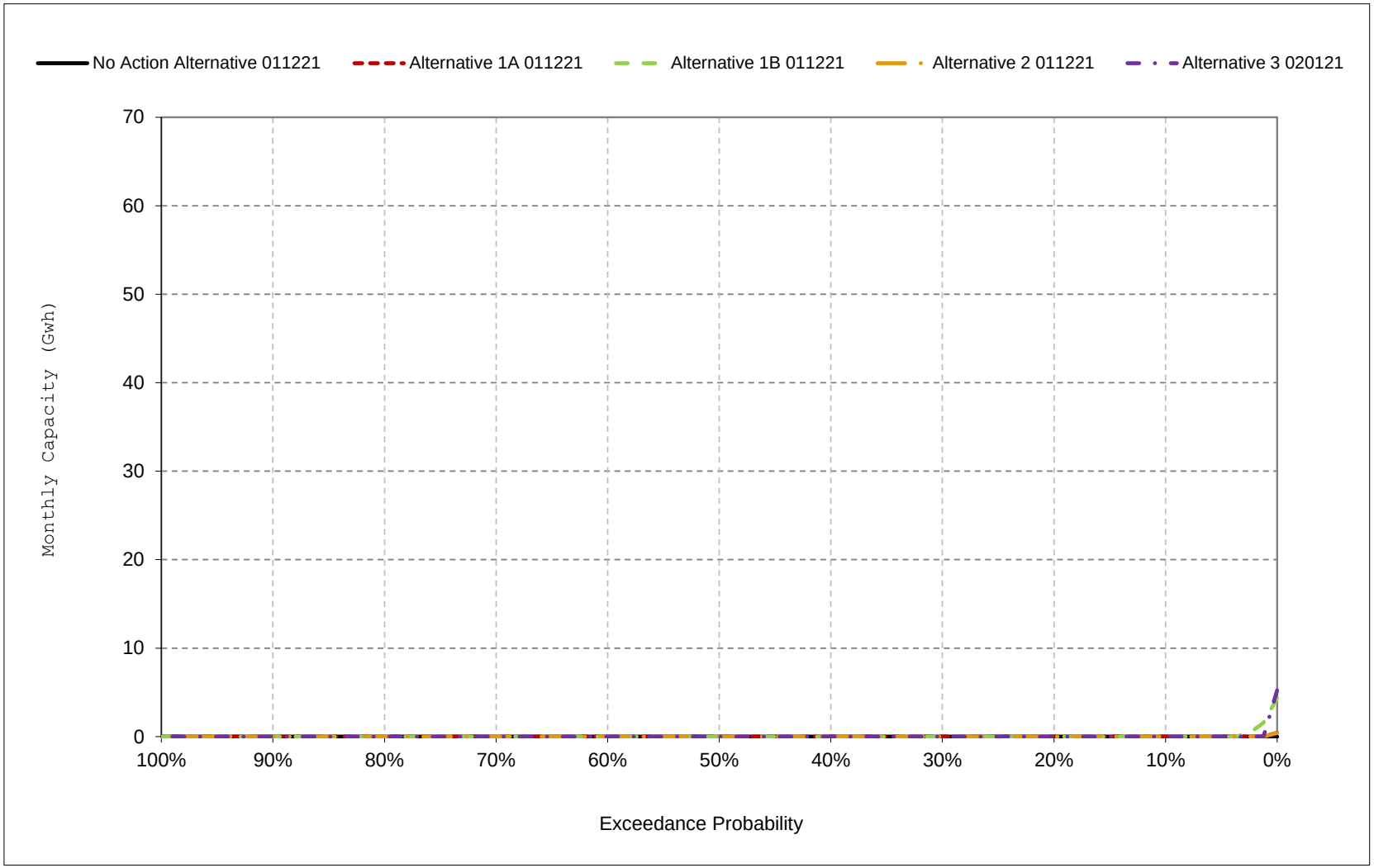
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 11-9. Sites Project Facilities Total Capacity, December



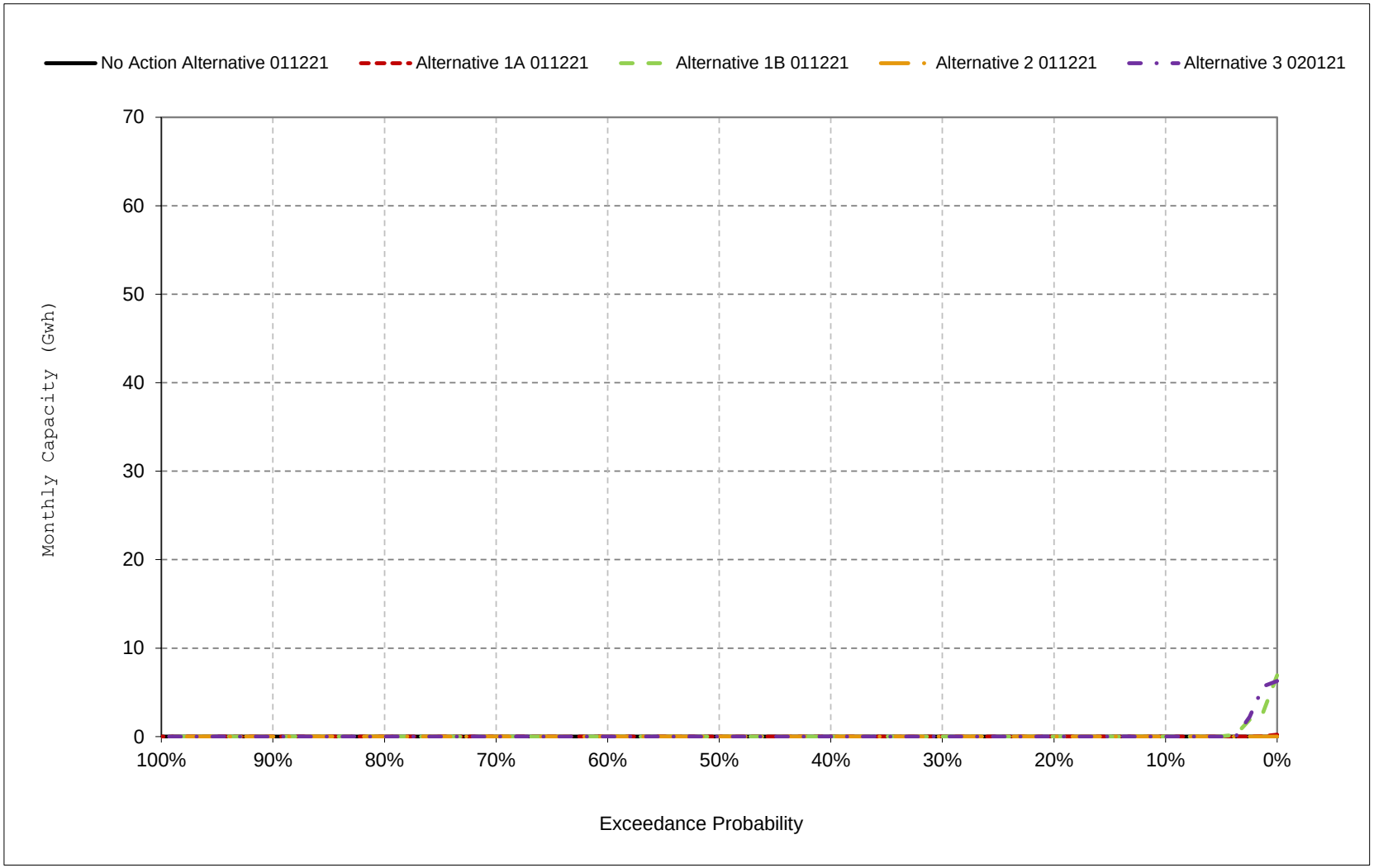
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 11-10. Sites Project Facilities Total Capacity, January



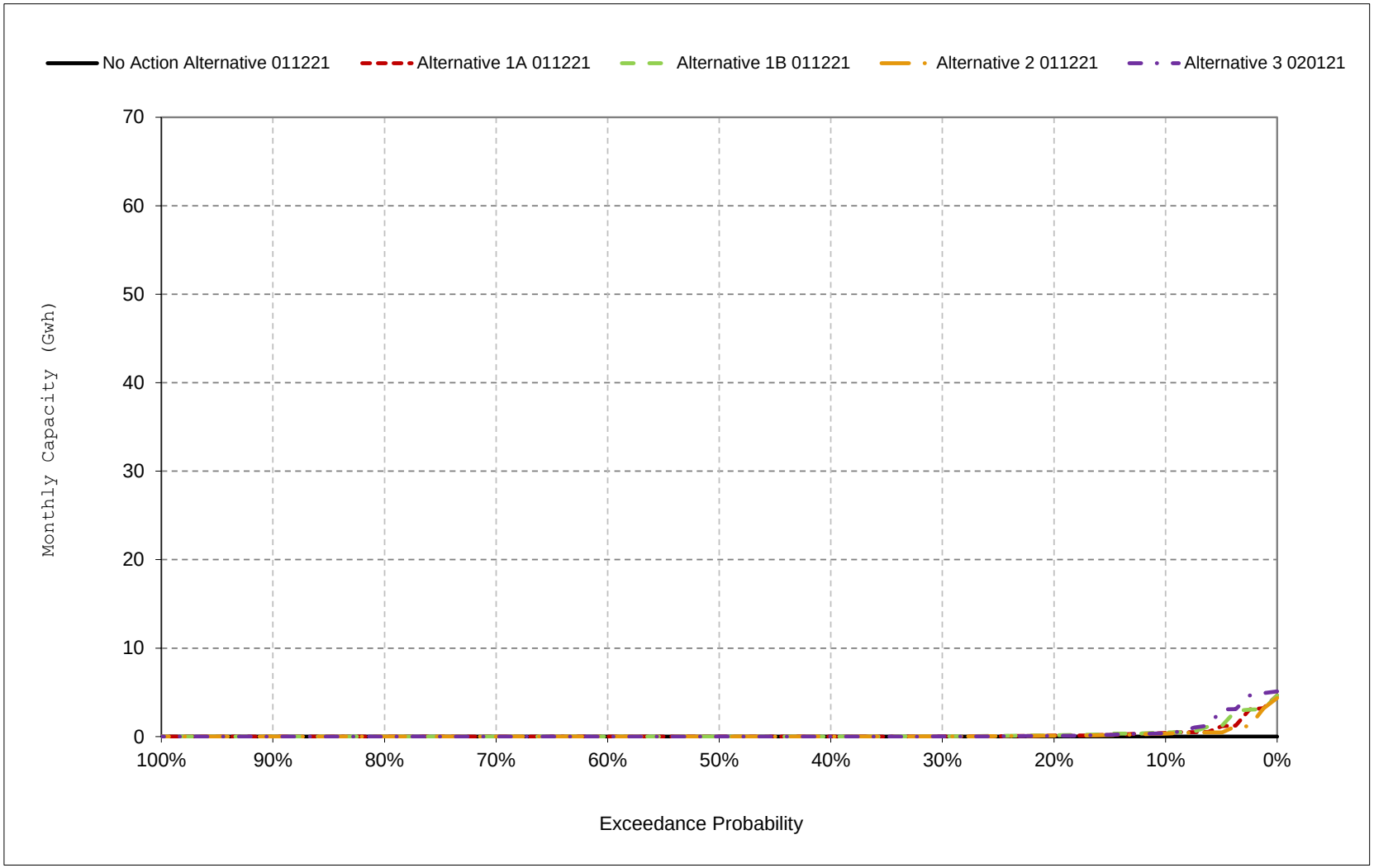
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 11-11. Sites Project Facilities Total Capacity, February



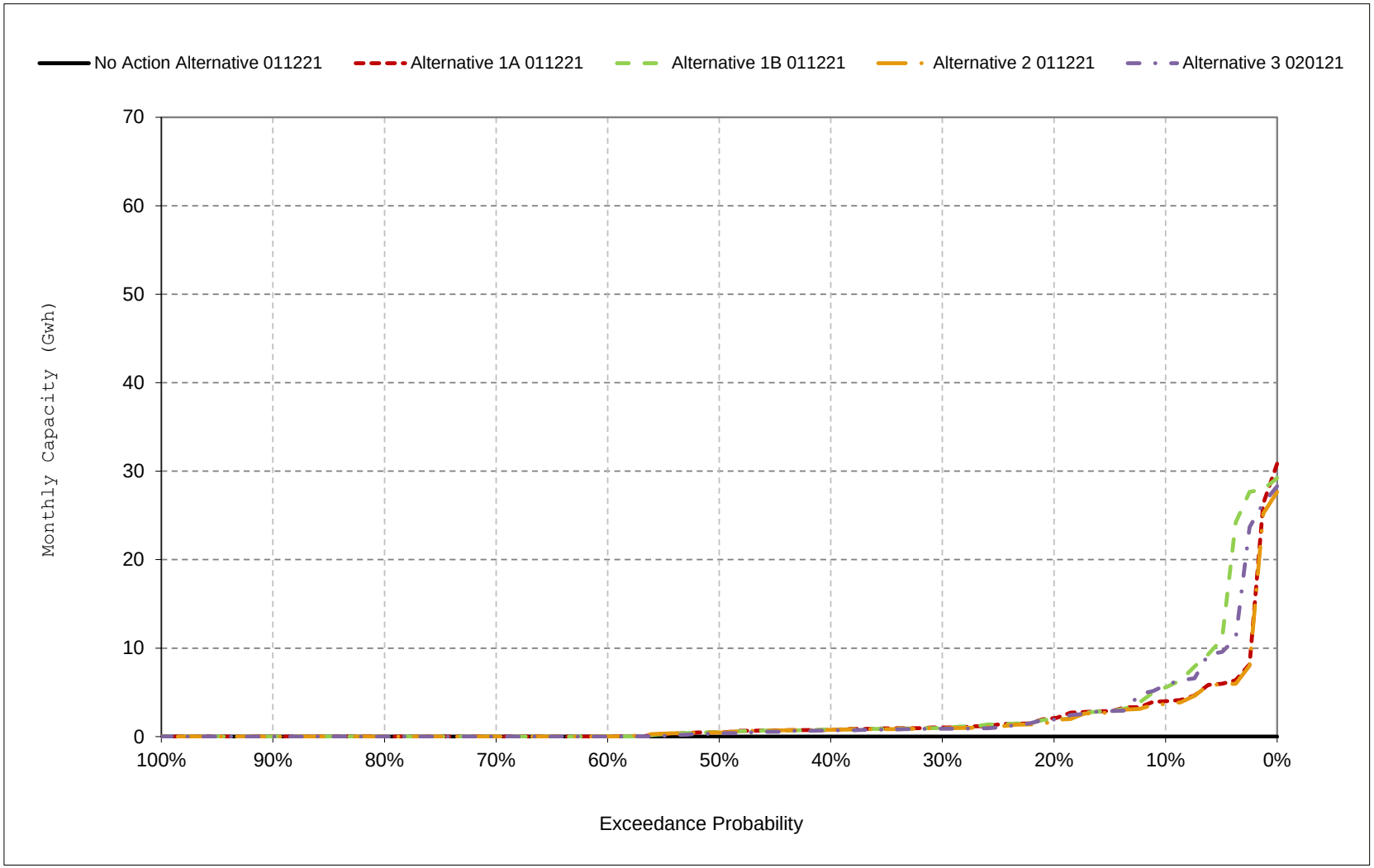
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 11-12. Sites Project Facilities Total Capacity, March



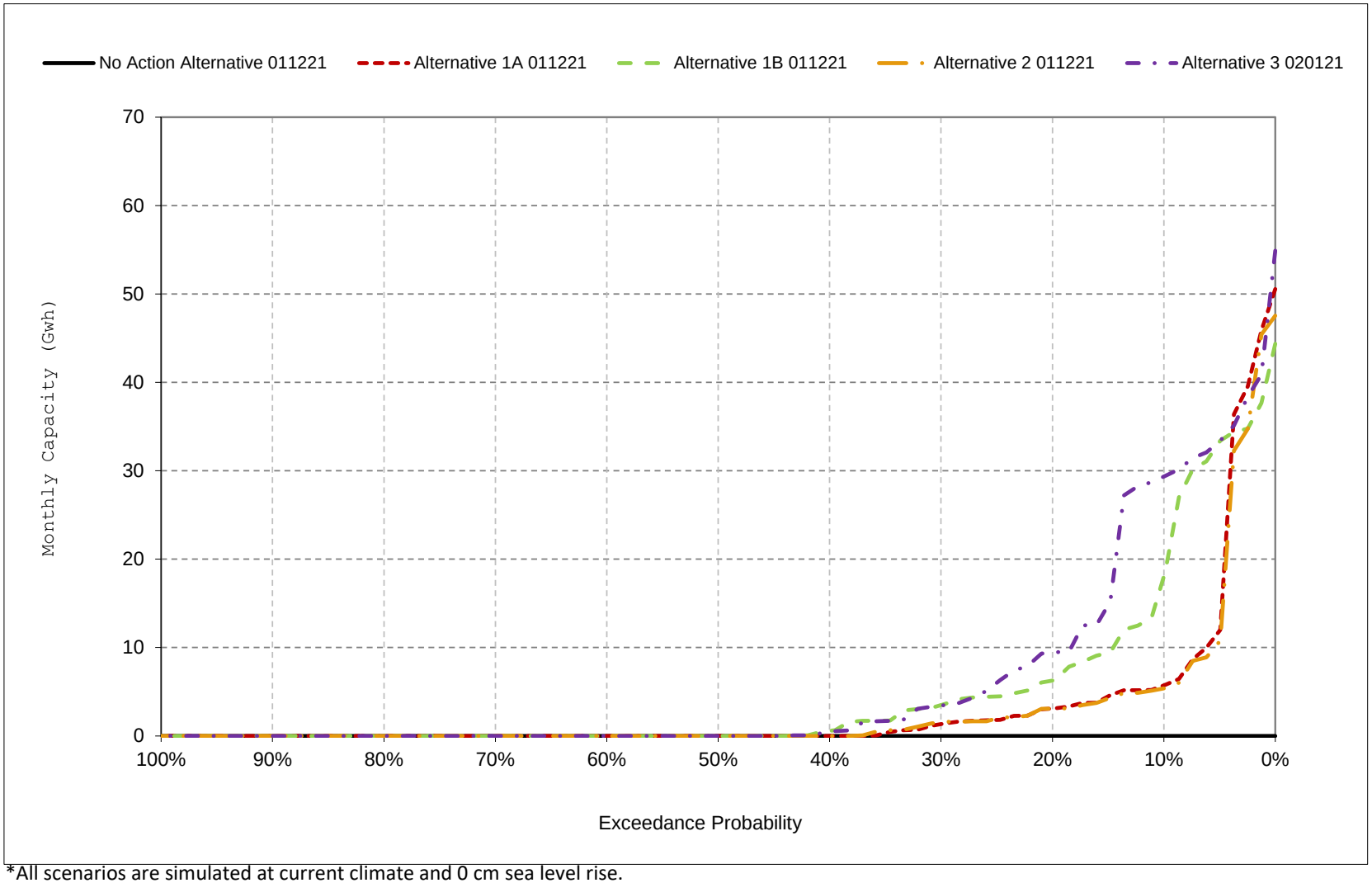
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 11-13. Sites Project Facilities Total Capacity, April



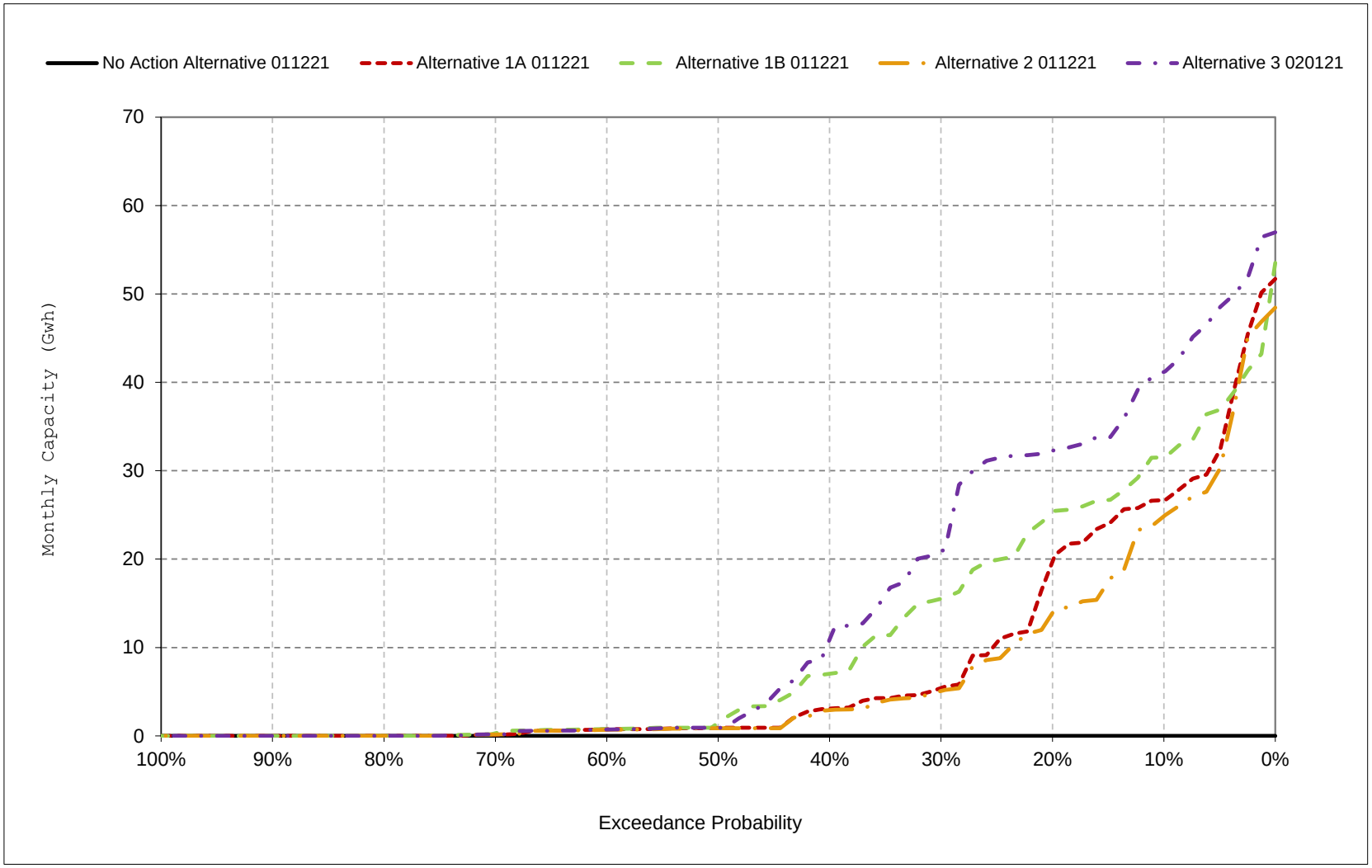
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 11-14. Sites Project Facilities Total Capacity, May



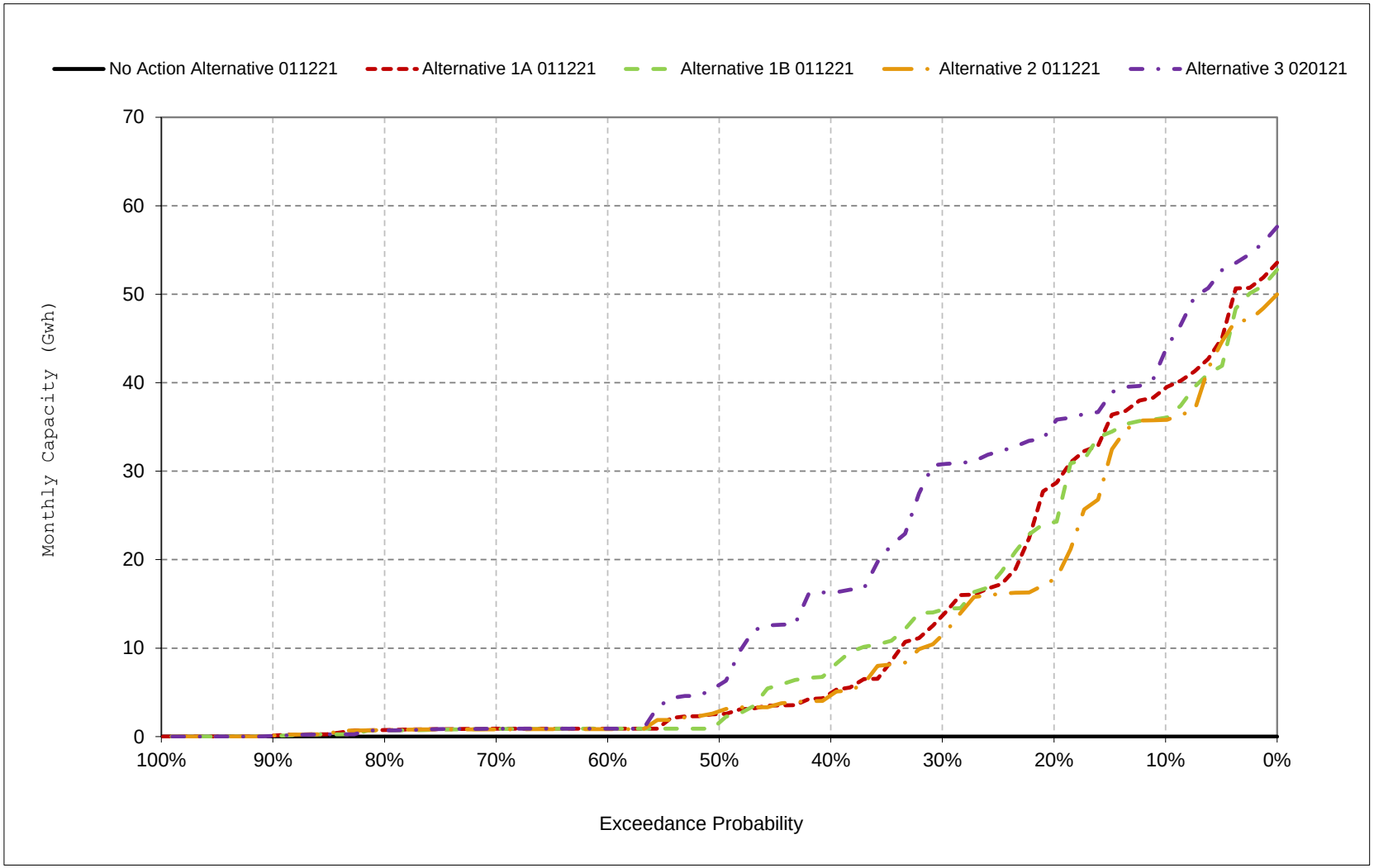
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 11-15. Sites Project Facilities Total Capacity, June



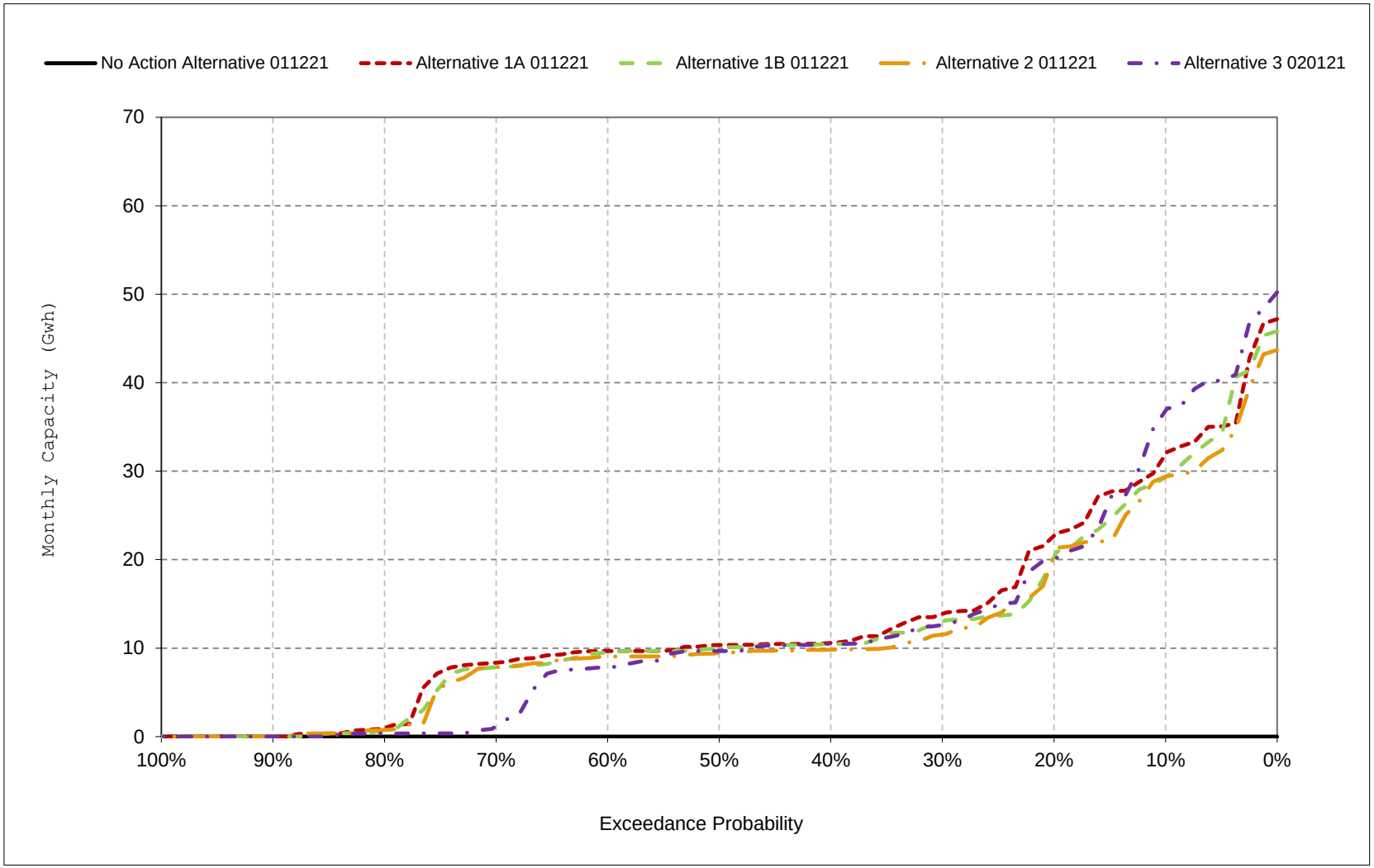
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 11-16. Sites Project Facilities Total Capacity, July



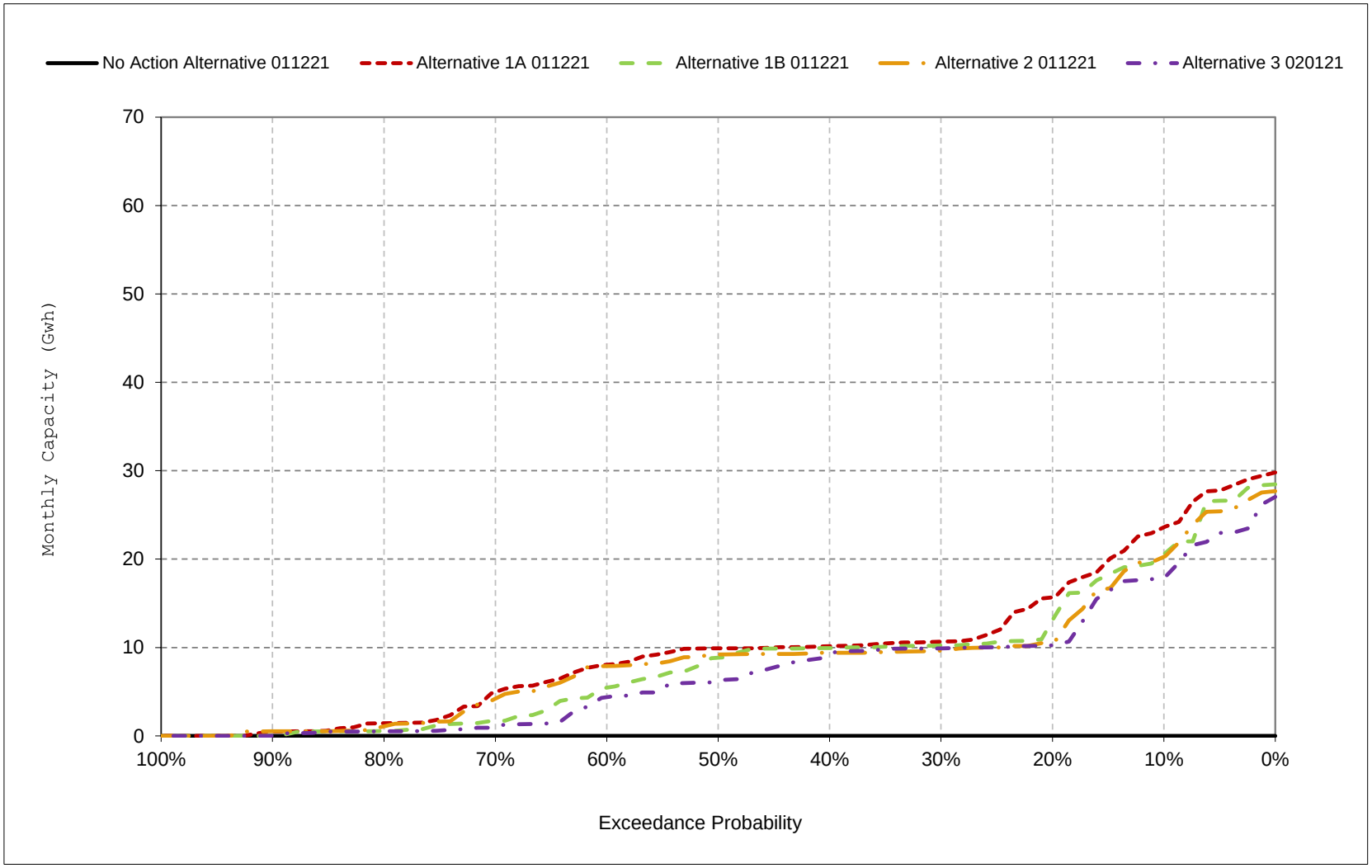
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 11-17. Sites Project Facilities Total Capacity, August



*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 11-18. Sites Project Facilities Total Capacity, September



*All scenarios are simulated at current climate and 0 cm sea level rise.

Table 12-1a. Sites Project Facilities Total Generation, No Action Alternative 011221, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b,c]												
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (15%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (17%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0

Table 12-1b. Sites Project Facilities Total Generation, Alternative 1A 011221, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	14	6	2	0	0	0	3	4	19	29	24	17
20%	8	3	1	0	0	0	2	2	14	21	17	11
30%	7	1	0	0	0	0	1	1	4	10	10	8
40%	7	0	0	0	0	0	1	0	2	4	8	7
50%	5	0	0	0	0	0	0	0	1	2	8	7
60%	3	0	0	0	0	0	0	0	1	1	7	6
70%	1	0	0	0	0	0	0	0	0	1	6	4
80%	0	0	0	0	0	0	0	0	0	1	1	1
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	6	2	0	0	0	0	1	2	6	9	10	7
Water Year Types[b,c]												
Wet (32%)	4	0	0	0	0	0	0	0	0	1	6	6
Above Normal (15%)	5	1	1	0	0	0	0	0	0	2	6	6
Below Normal (17%)	6	2	1	0	0	0	1	1	3	7	10	6
Dry (22%)	9	5	1	0	0	0	2	5	17	22	18	12
Critical (15%)	3	2	0	0	0	1	4	8	9	15	9	4

Table 12-1c. Sites Project Facilities Total Generation, Alternative 1A 011221 minus No Action Alternative 011221, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	14	6	2	0	0	0	3	4	19	29	24	17
20%	8	3	1	0	0	0	2	2	14	21	17	11
30%	7	1	0	0	0	0	1	1	4	10	10	8
40%	7	0	0	0	0	0	1	0	2	4	8	7
50%	5	0	0	0	0	0	0	0	1	2	8	7
60%	3	0	0	0	0	0	0	0	1	1	7	6
70%	1	0	0	0	0	0	0	0	0	1	6	4
80%	0	0	0	0	0	0	0	0	0	1	1	1
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	6	2	0	0	0	0	1	2	6	9	10	7
Water Year Types[b,c]												
Wet (32%)	4	0	0	0	0	0	0	0	0	1	6	6
Above Normal (15%)	5	1	1	0	0	0	0	0	0	2	6	6
Below Normal (17%)	6	2	1	0	0	0	1	1	3	7	10	6
Dry (22%)	9	5	1	0	0	0	2	5	17	22	18	12
Critical (15%)	3	2	0	0	0	1	4	8	9	15	9	4

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 12-2a. Sites Project Facilities Total Generation, No Action Alternative 011221, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b,c]												
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (15%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (17%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0

Table 12-2b. Sites Project Facilities Total Generation, Alternative 1B 011221, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	13	7	4	0	0	0	4	13	23	27	22	15
20%	7	4	1	0	0	0	1	5	18	18	15	9
30%	7	2	0	0	0	0	1	3	11	11	10	7
40%	5	1	0	0	0	0	1	0	5	6	8	7
50%	4	0	0	0	0	0	0	0	1	1	7	6
60%	2	0	0	0	0	0	0	0	1	1	7	4
70%	1	0	0	0	0	0	0	0	0	1	6	1
80%	0	0	0	0	0	0	0	0	0	1	1	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	5	2	1	0	0	0	2	4	8	9	9	6
Water Year Types[b,c]												
Wet (32%)	4	1	2	0	0	0	0	0	0	1	6	6
Above Normal (15%)	4	2	1	0	0	0	0	0	11	6	6	5
Below Normal (17%)	6	2	1	0	0	0	1	5	6	7	8	5
Dry (22%)	7	4	1	0	0	0	4	8	16	20	18	10
Critical (15%)	2	2	0	0	0	1	4	8	9	14	8	3

Table 12-2c. Sites Project Facilities Total Generation, Alternative 1B 011221 minus No Action Alternative 011221, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	13	7	4	0	0	0	4	13	23	27	22	15
20%	7	4	1	0	0	0	1	5	18	18	15	9
30%	7	2	0	0	0	0	1	3	11	11	10	7
40%	5	1	0	0	0	0	1	0	5	6	8	7
50%	4	0	0	0	0	0	0	0	1	1	7	6
60%	2	0	0	0	0	0	0	0	1	1	7	4
70%	1	0	0	0	0	0	0	0	0	1	6	1
80%	0	0	0	0	0	0	0	0	0	1	1	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	5	2	1	0	0	0	2	4	8	9	9	6
Water Year Types[b,c]												
Wet (32%)	4	1	2	0	0	0	0	0	0	1	6	6
Above Normal (15%)	4	2	1	0	0	0	0	0	11	6	6	5
Below Normal (17%)	6	2	1	0	0	0	1	5	6	7	8	5
Dry (22%)	7	4	1	0	0	0	4	8	16	20	18	10
Critical (15%)	2	2	0	0	0	1	4	8	9	14	8	3

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 12-3a. Sites Project Facilities Total Generation, No Action Alternative 011221, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b,c]												
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (15%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (17%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0

Table 12-3b. Sites Project Facilities Total Generation, Alternative 2 011221, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	12	6	2	0	0	0	3	4	18	27	22	15
20%	7	2	1	0	0	0	1	2	10	13	15	8
30%	7	1	0	0	0	0	1	1	4	9	9	7
40%	6	0	0	0	0	0	1	0	2	3	7	7
50%	4	0	0	0	0	0	0	0	1	2	7	7
60%	3	0	0	0	0	0	0	0	1	1	7	6
70%	1	0	0	0	0	0	0	0	0	1	6	3
80%	1	0	0	0	0	0	0	0	0	1	1	1
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	5	2	0	0	0	0	1	2	5	8	9	6
Water Year Types[b,c]												
Wet (32%)	4	0	0	0	0	0	0	0	0	1	6	6
Above Normal (15%)	5	1	1	0	0	0	0	0	0	2	6	6
Below Normal (17%)	6	3	1	0	0	0	1	1	3	7	9	6
Dry (22%)	7	3	1	0	0	0	2	5	15	20	15	9
Critical (15%)	3	2	0	0	0	0	4	7	7	12	7	3

Table 12-3c. Sites Project Facilities Total Generation, Alternative 2 011221 minus No Action Alternative 011221, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	12	6	2	0	0	0	3	4	18	27	22	15
20%	7	2	1	0	0	0	1	2	10	13	15	8
30%	7	1	0	0	0	0	1	1	4	9	9	7
40%	6	0	0	0	0	0	1	0	2	3	7	7
50%	4	0	0	0	0	0	0	0	1	2	7	7
60%	3	0	0	0	0	0	0	0	1	1	7	6
70%	1	0	0	0	0	0	0	0	0	1	6	3
80%	1	0	0	0	0	0	0	0	0	1	1	1
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	5	2	0	0	0	0	1	2	5	8	9	6
Water Year Types[b,c]												
Wet (32%)	4	0	0	0	0	0	0	0	0	1	6	6
Above Normal (15%)	5	1	1	0	0	0	0	0	0	2	6	6
Below Normal (17%)	6	3	1	0	0	0	1	1	3	7	9	6
Dry (22%)	7	3	1	0	0	0	2	5	15	20	15	9
Critical (15%)	3	2	0	0	0	0	4	7	7	12	7	3

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 12-4a. Sites Project Facilities Total Generation, No Action Alternative 011221, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b,c]												
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (15%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (17%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0

Table 12-4b. Sites Project Facilities Total Generation, Alternative 3 020121, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	12	5	3	0	0	0	4	22	30	33	27	13
20%	7	4	0	0	0	0	1	7	23	26	15	7
30%	7	1	0	0	0	0	1	3	15	23	9	7
40%	5	0	0	0	0	0	1	0	8	12	8	7
50%	3	0	0	0	0	0	0	0	1	4	7	4
60%	1	0	0	0	0	0	0	0	1	1	6	3
70%	1	0	0	0	0	0	0	0	0	1	1	1
80%	0	0	0	0	0	0	0	0	0	1	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	5	2	1	0	0	0	2	5	10	12	9	5
Water Year Types[b,c]												
Wet (32%)	4	1	2	0	0	0	0	0	0	1	6	6
Above Normal (15%)	5	2	1	0	0	0	0	0	15	25	17	6
Below Normal (17%)	5	2	1	0	0	0	1	6	16	15	9	4
Dry (22%)	6	2	0	0	0	0	4	11	18	20	12	8
Critical (15%)	2	2	0	0	0	1	3	9	7	10	4	2

Table 12-4c. Sites Project Facilities Total Generation, Alternative 3 020121 minus No Action Alternative 011221, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	12	5	3	0	0	0	4	22	30	33	27	13
20%	7	4	0	0	0	0	1	7	23	26	15	7
30%	7	1	0	0	0	0	1	3	15	23	9	7
40%	5	0	0	0	0	0	1	0	8	12	8	7
50%	3	0	0	0	0	0	0	0	1	4	7	4
60%	1	0	0	0	0	0	0	0	1	1	6	3
70%	1	0	0	0	0	0	0	0	0	1	1	1
80%	0	0	0	0	0	0	0	0	0	1	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	5	2	1	0	0	0	2	5	10	12	9	5
Water Year Types[b,c]												
Wet (32%)	4	1	2	0	0	0	0	0	0	1	6	6
Above Normal (15%)	5	2	1	0	0	0	0	0	15	25	17	6
Below Normal (17%)	5	2	1	0	0	0	1	6	16	15	9	4
Dry (22%)	6	2	0	0	0	0	4	11	18	20	12	8
Critical (15%)	2	2	0	0	0	1	3	9	7	10	4	2

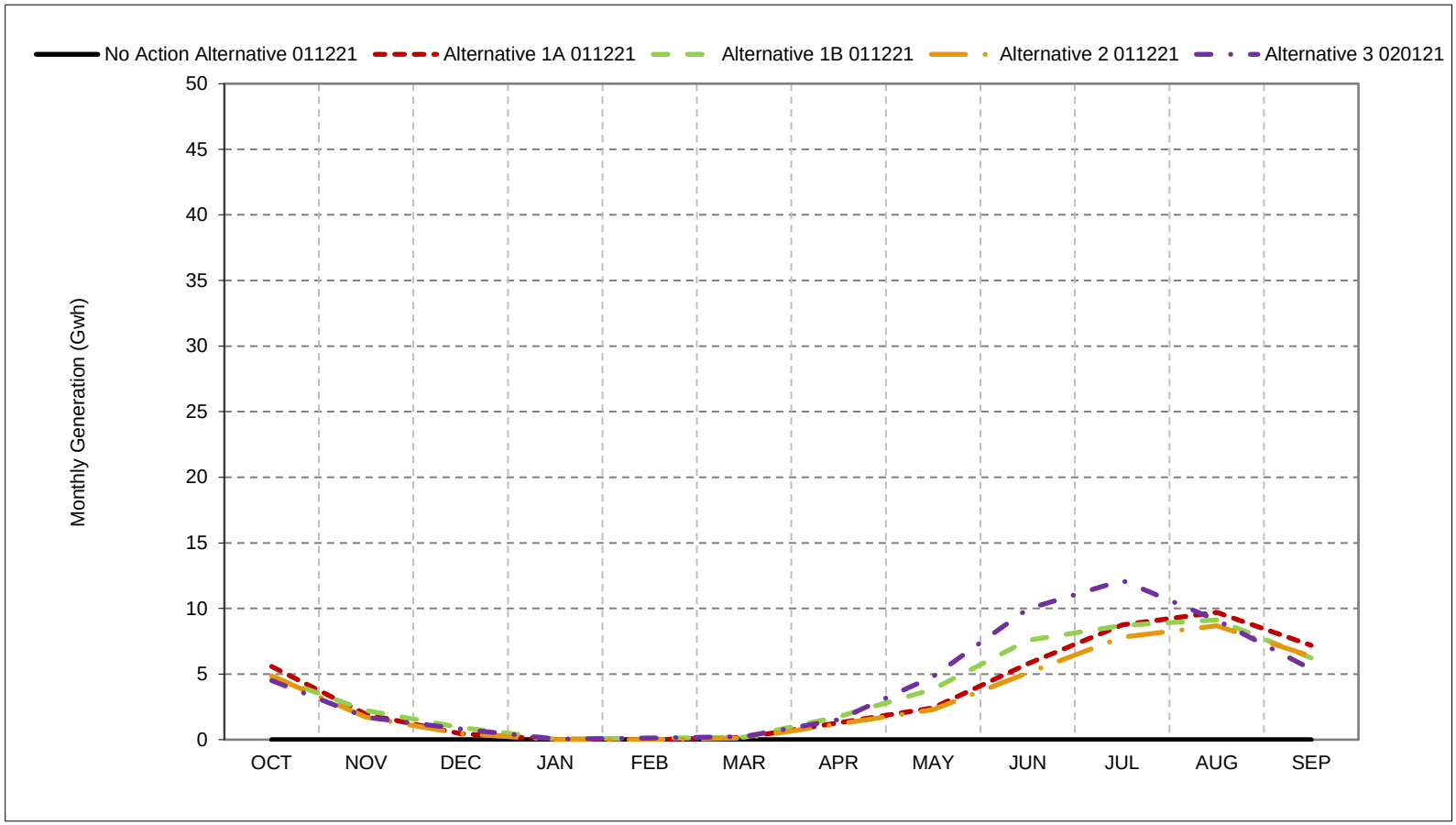
a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 12-1. Sites Project Facilities Total Generation, Long-Term Average Generation

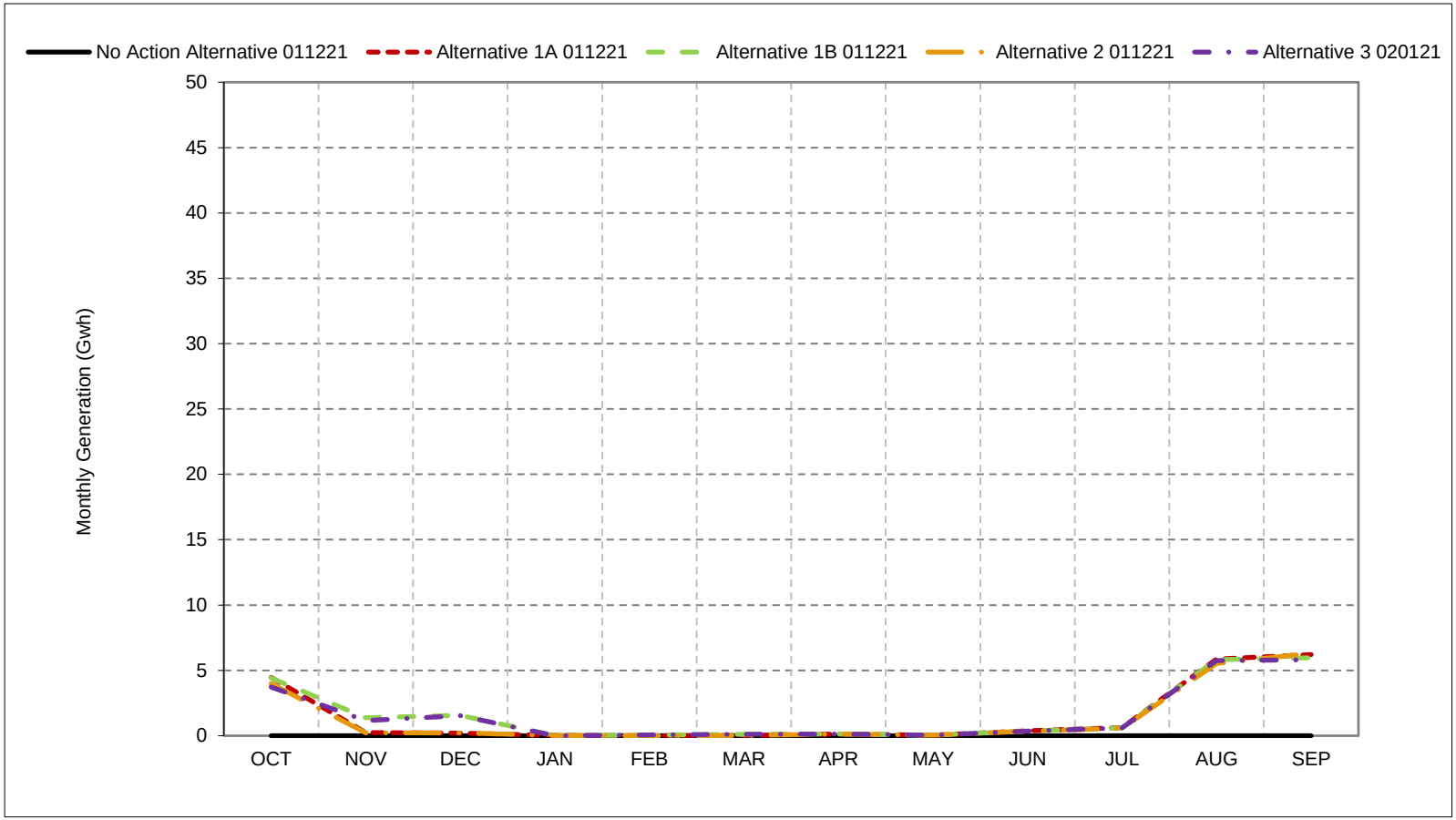


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 12-2. Sites Project Facilities Total Generation, Wet Year Average Generation

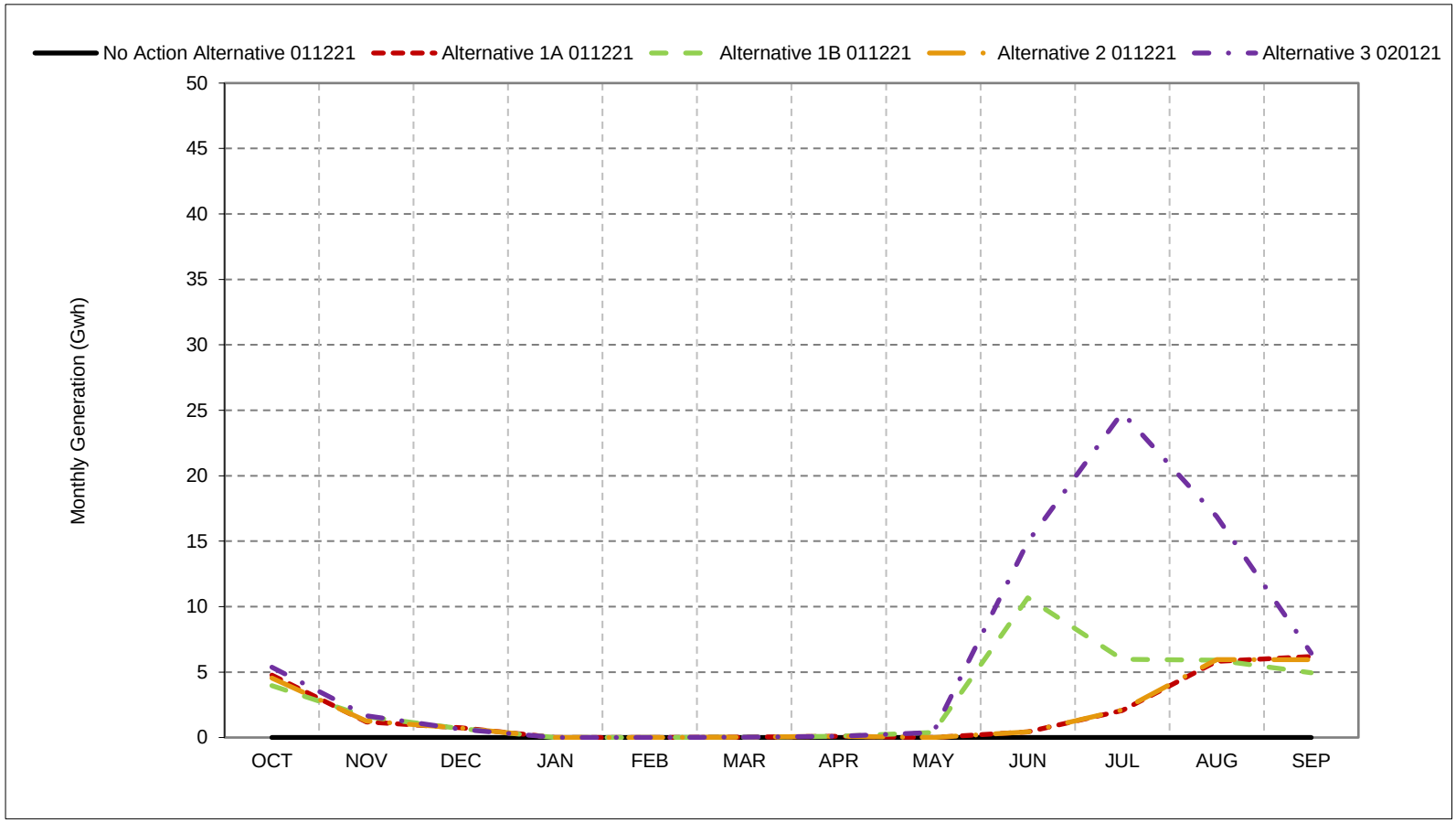


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 12-3. Sites Project Facilities Total Generation, Above Normal Year Average Generation

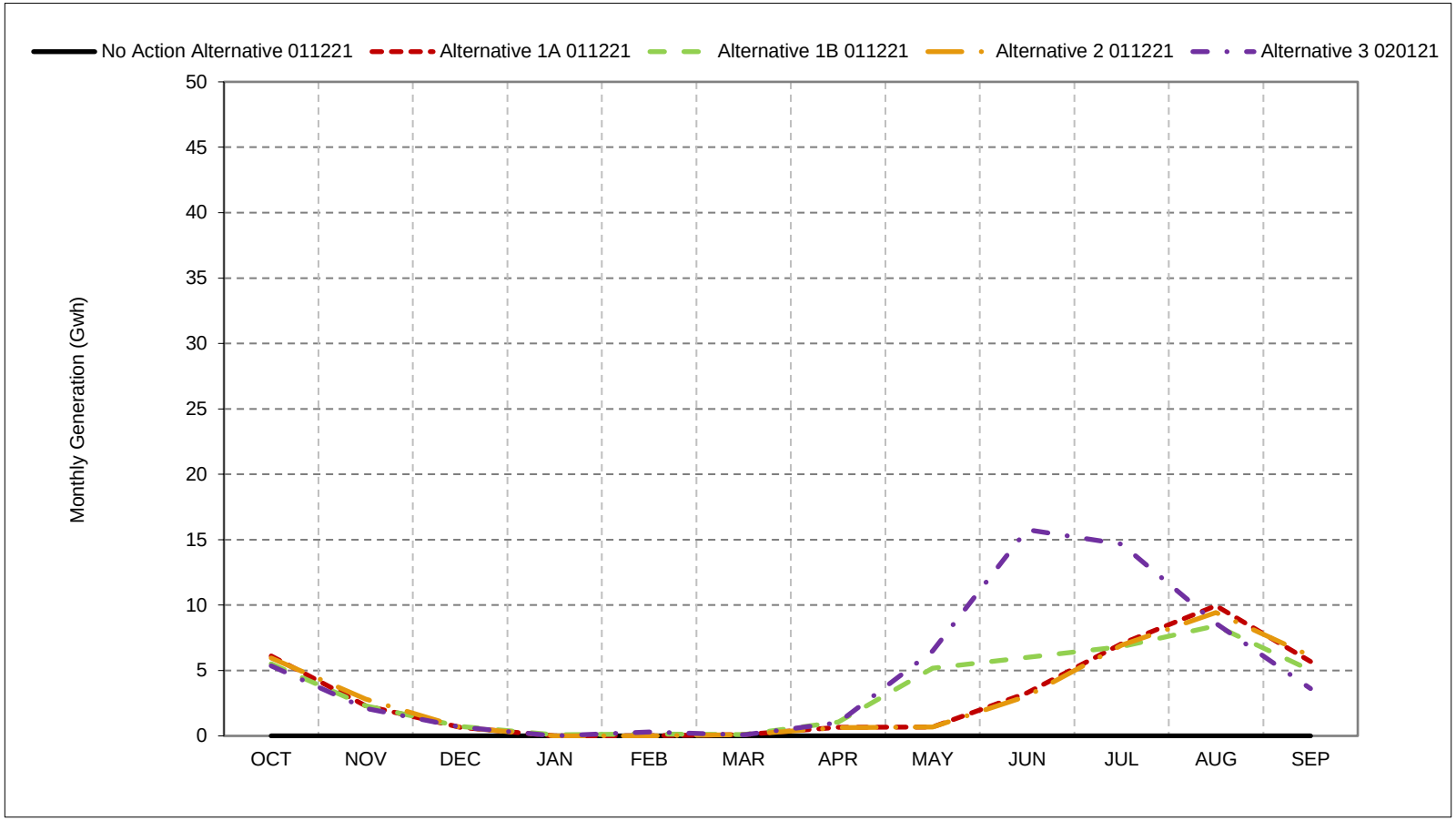


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 12-4. Sites Project Facilities Total Generation, Below Normal Year Average Generation

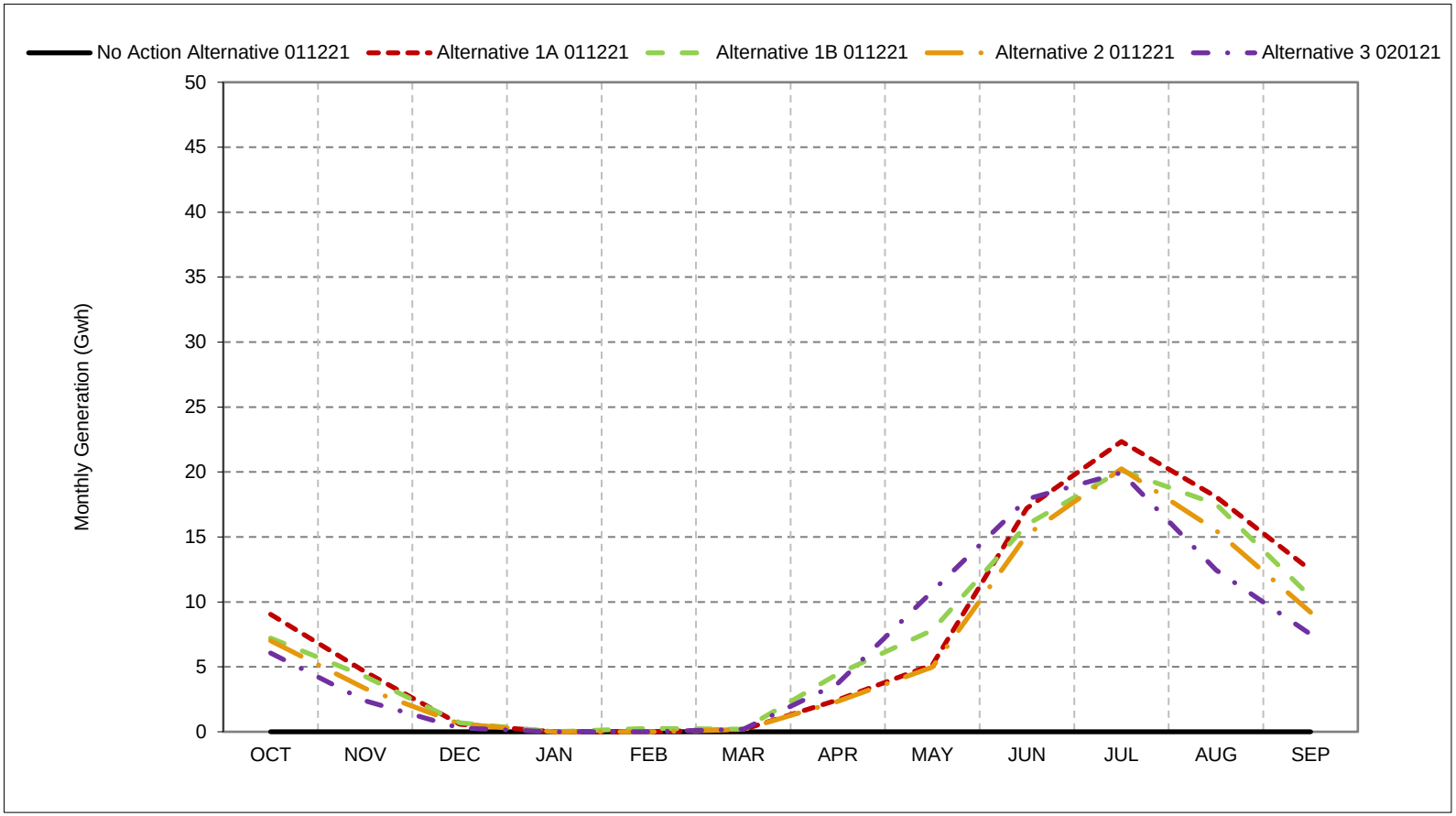


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 12-5. Sites Project Facilities Total Generation, Dry Year Average Generation

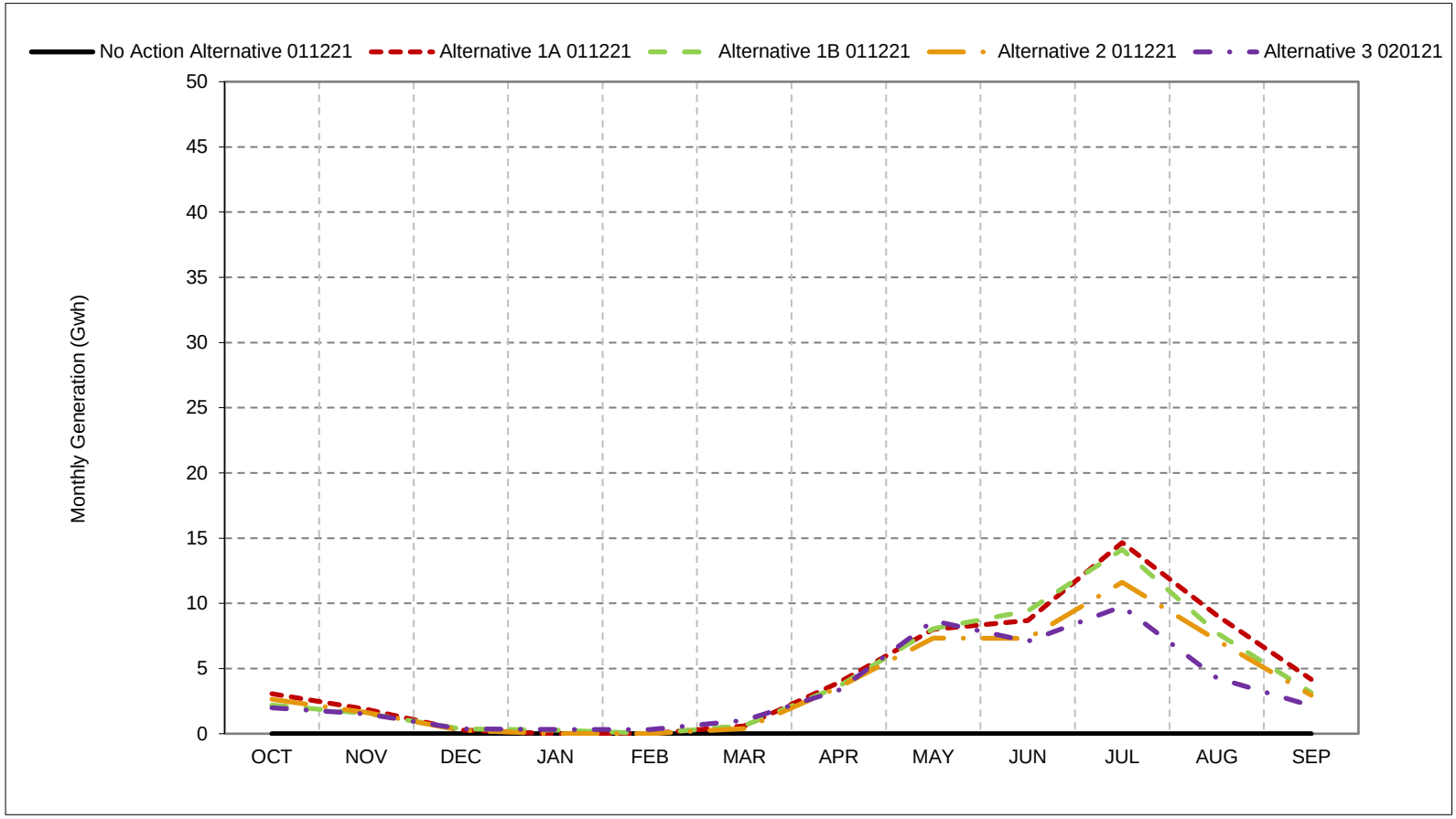


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 12-6. Sites Project Facilities Total Generation, Critical Year Average Generation

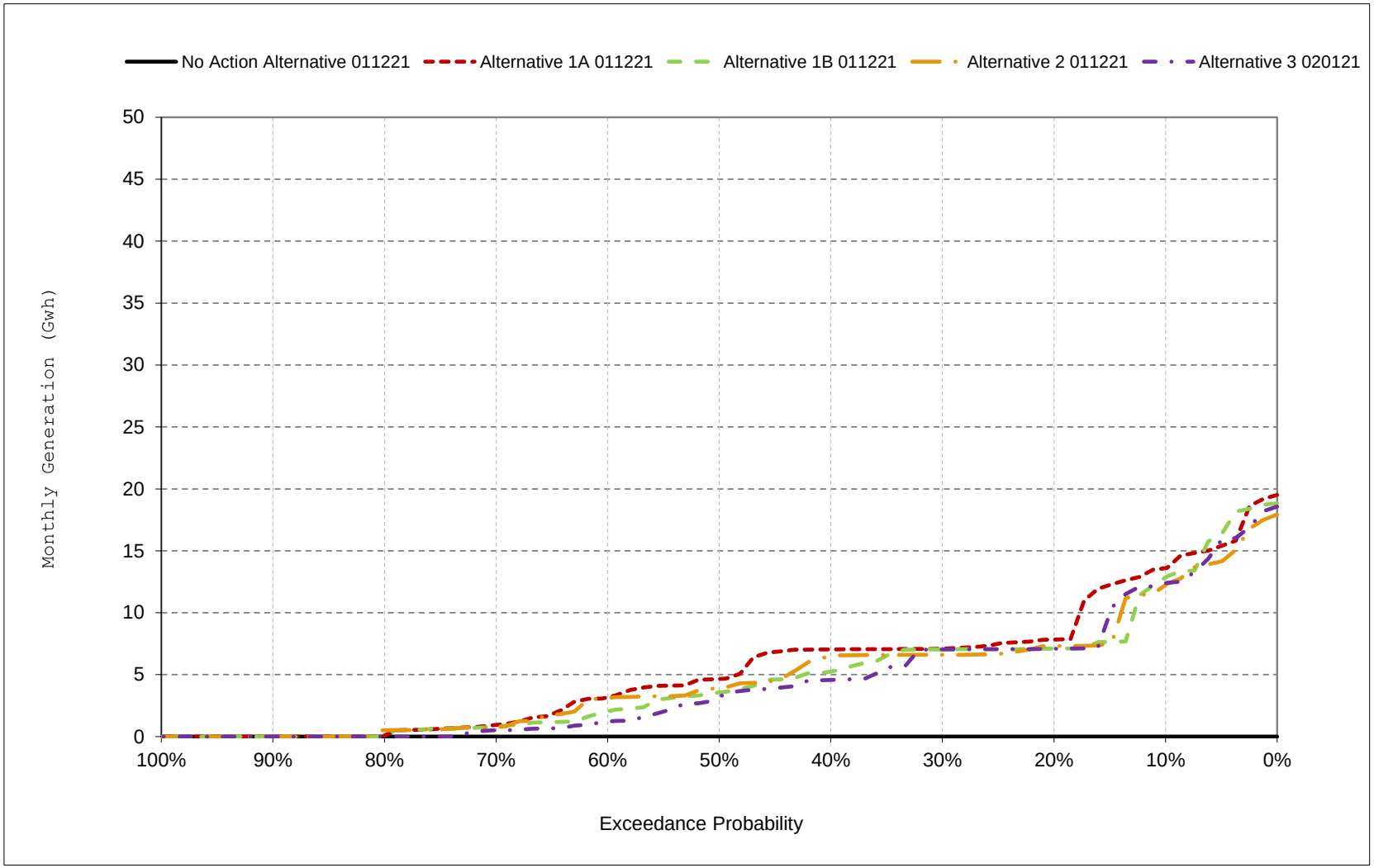


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

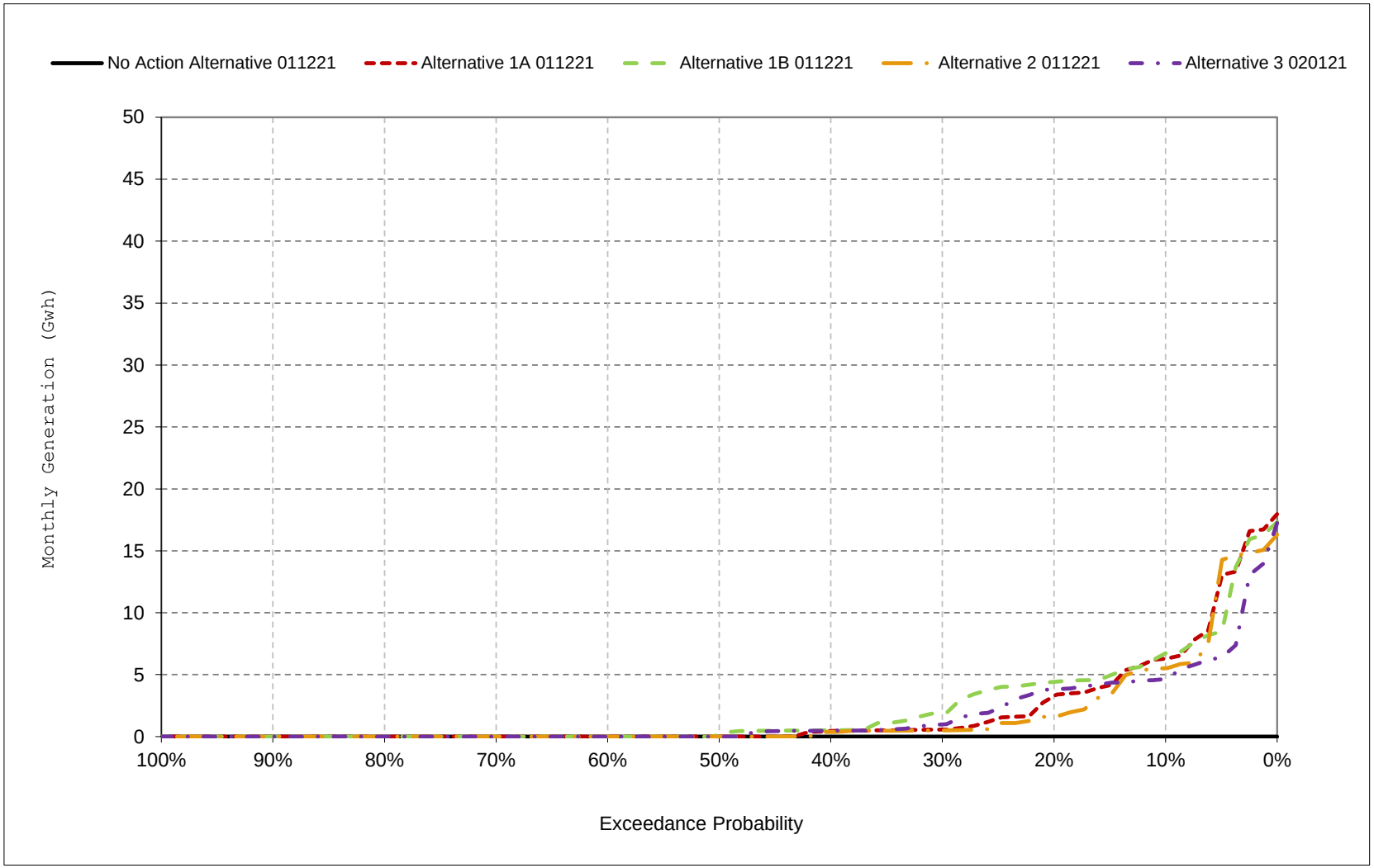
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 12-7. Sites Project Facilities Total Generation, October



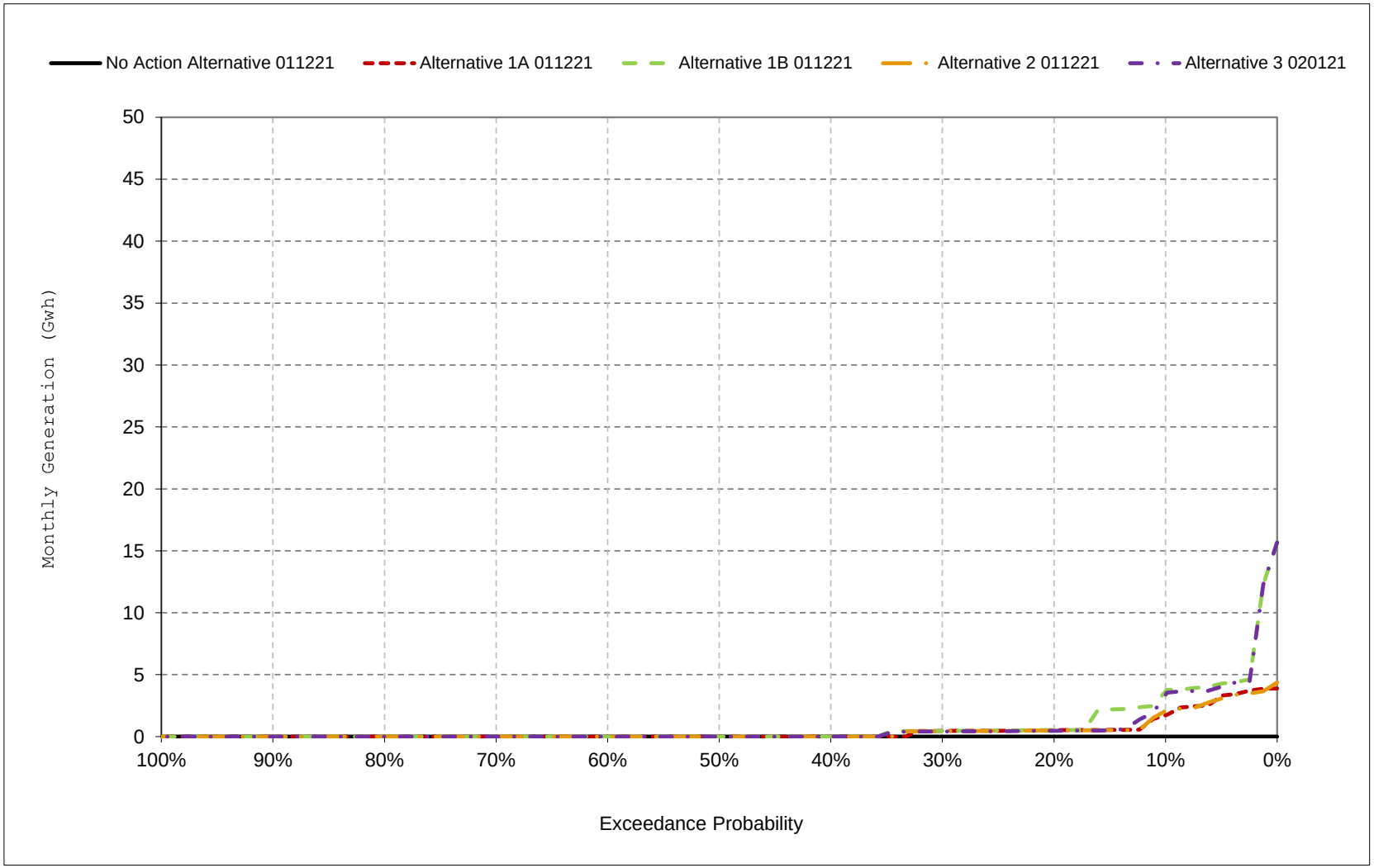
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 12-8. Sites Project Facilities Total Generation, November



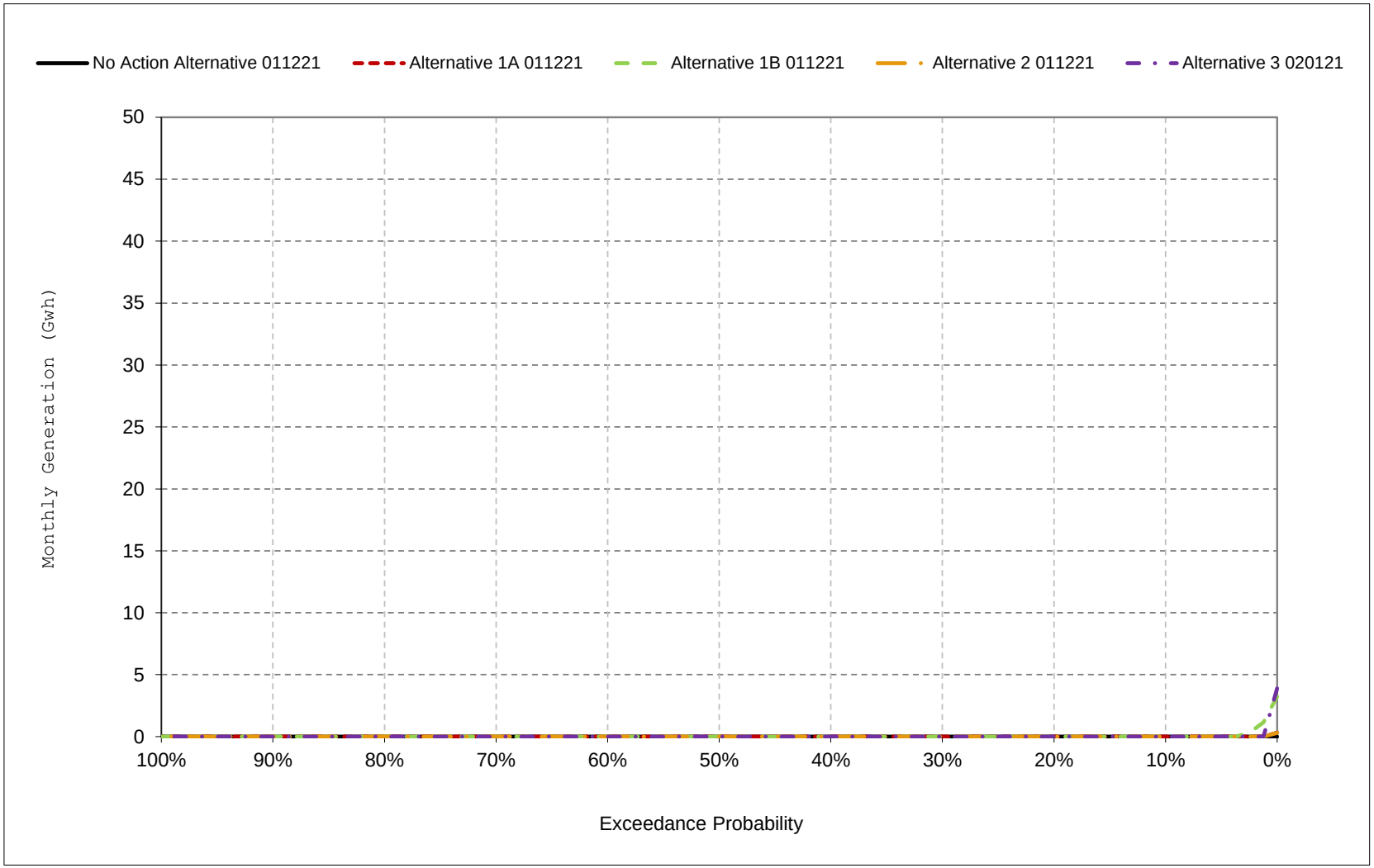
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 12-9. Sites Project Facilities Total Generation, December



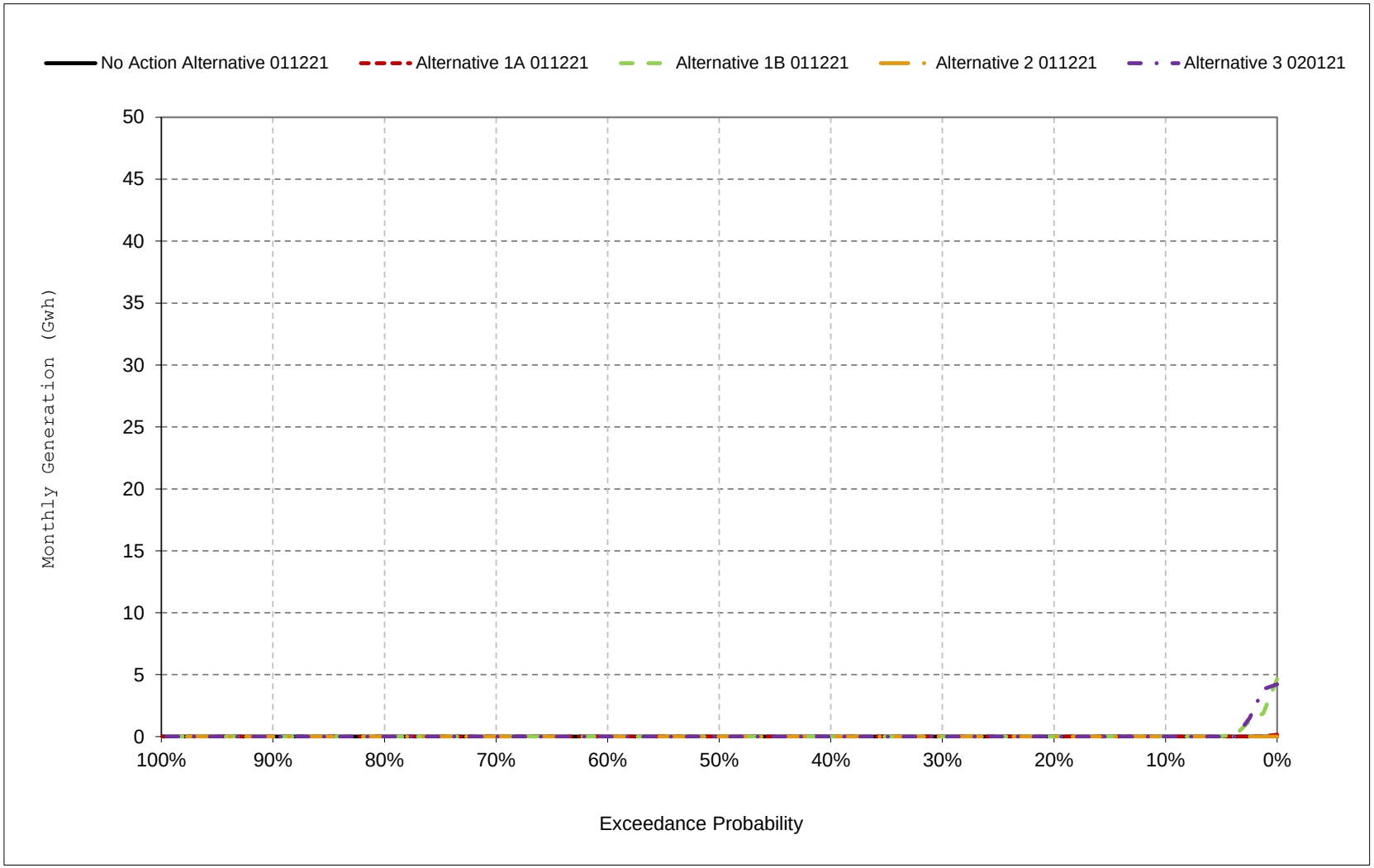
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 12-10. Sites Project Facilities Total Generation, January



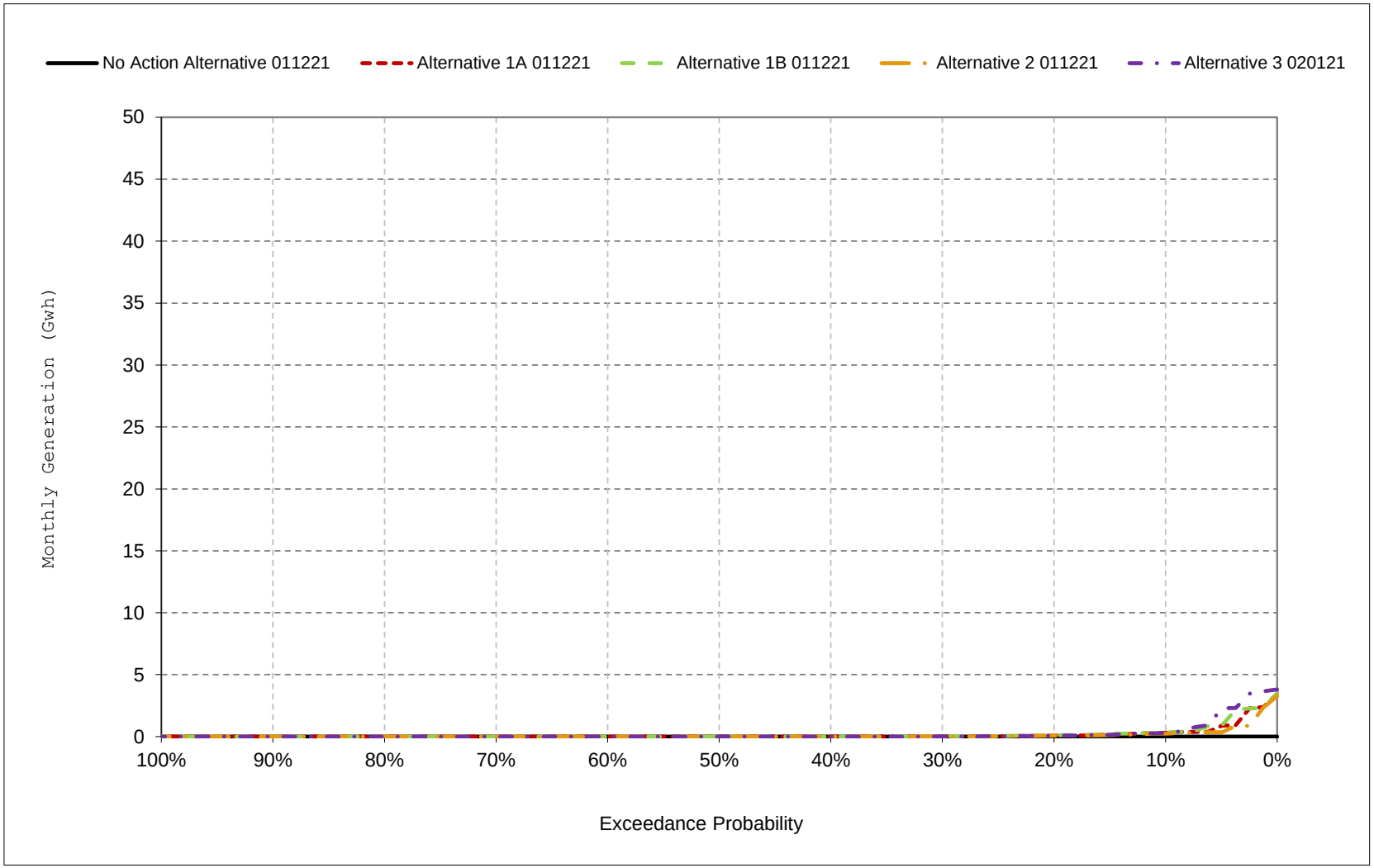
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 12-11. Sites Project Facilities Total Generation, February



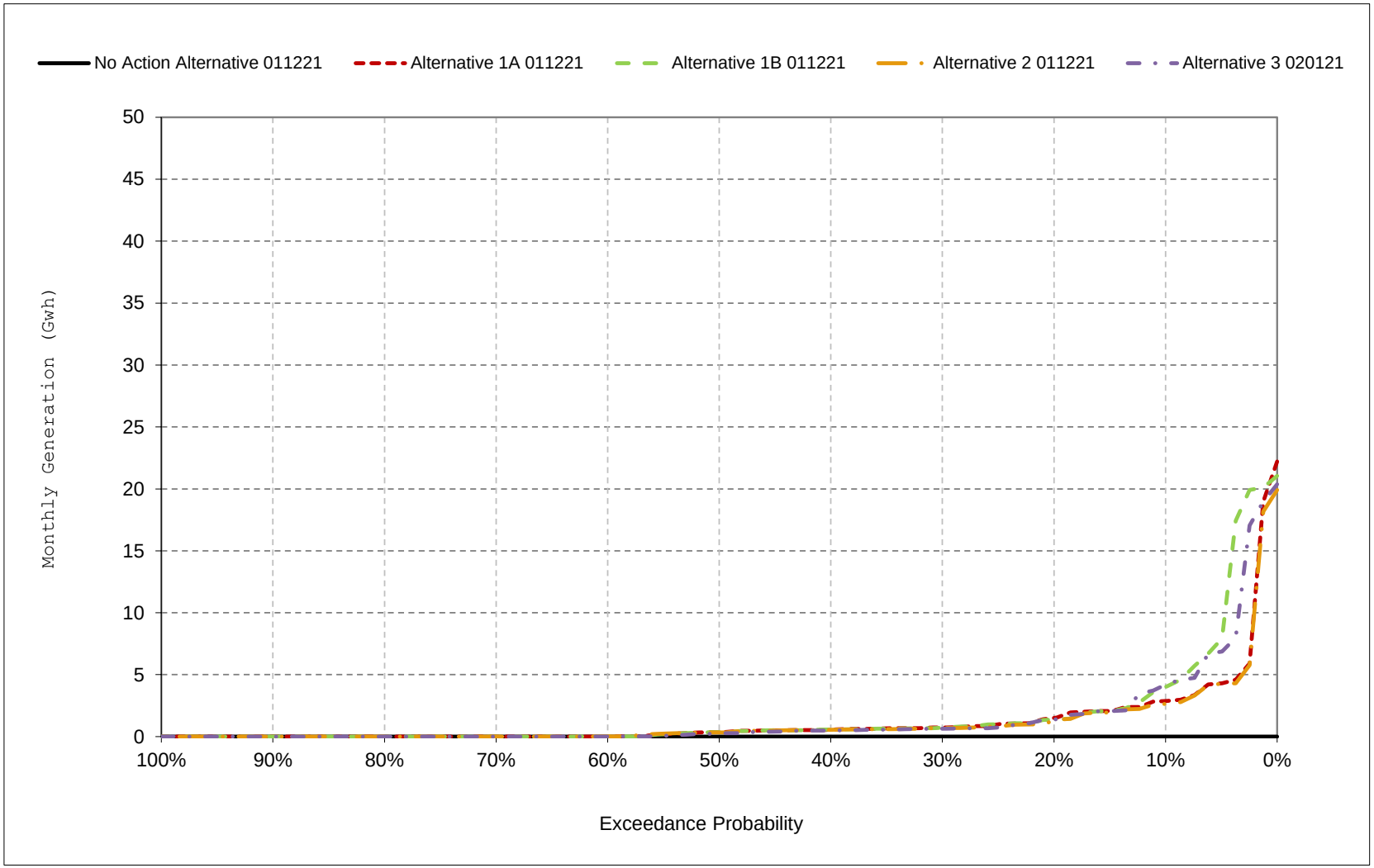
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 12-12. Sites Project Facilities Total Generation, March



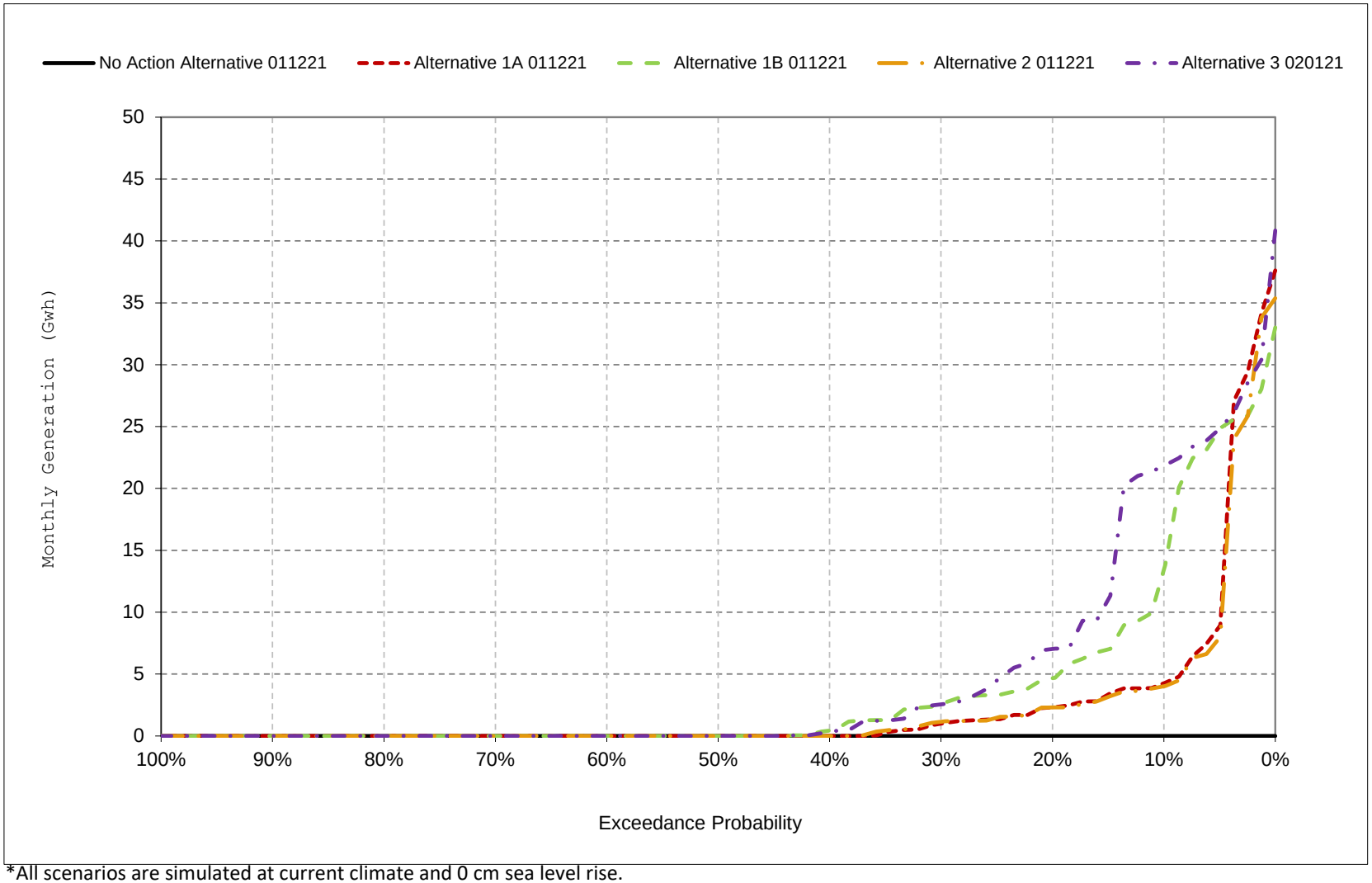
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 12-13. Sites Project Facilities Total Generation, April



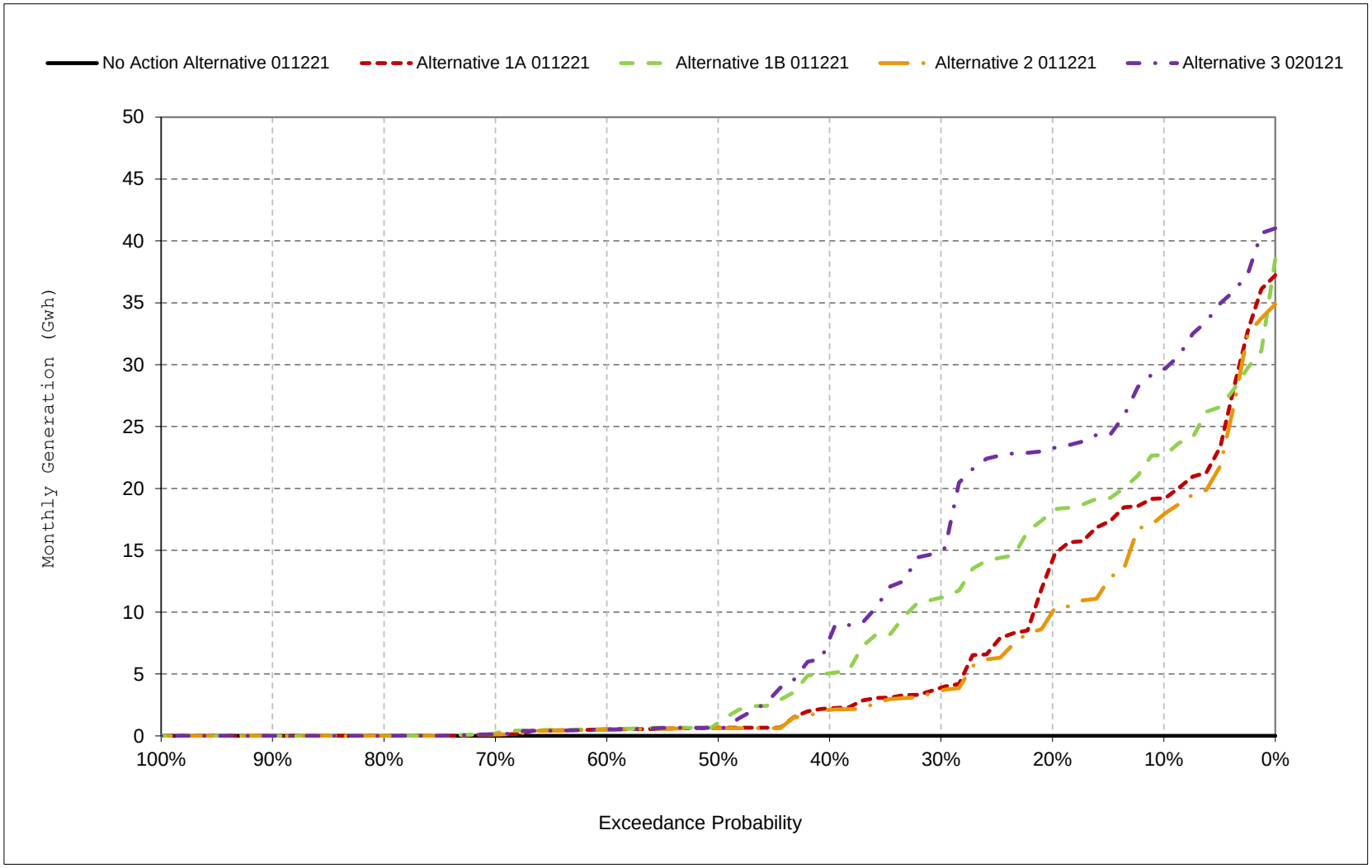
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 12-14. Sites Project Facilities Total Generation, May



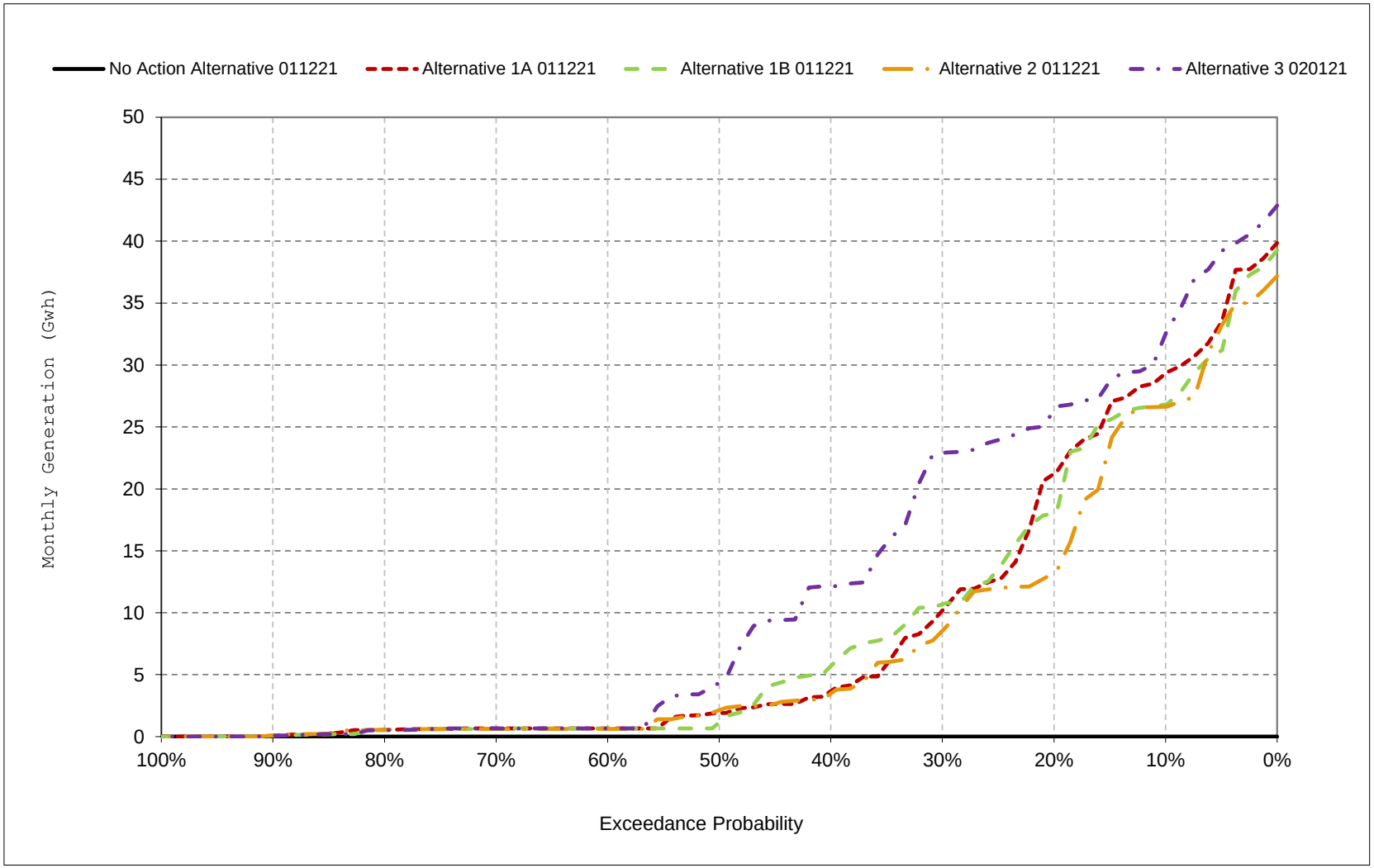
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 12-15. Sites Project Facilities Total Generation, June



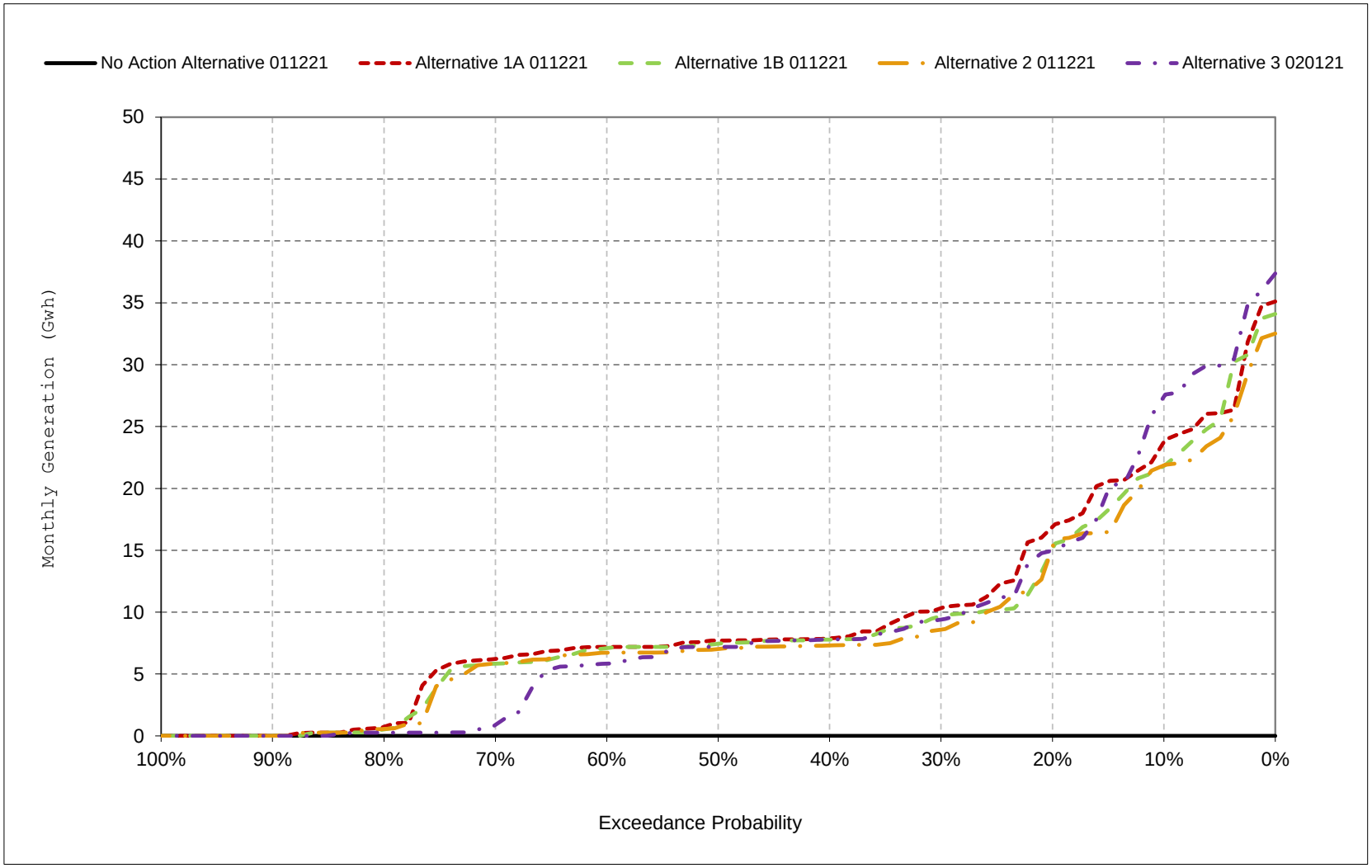
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 12-16. Sites Project Facilities Total Generation, July



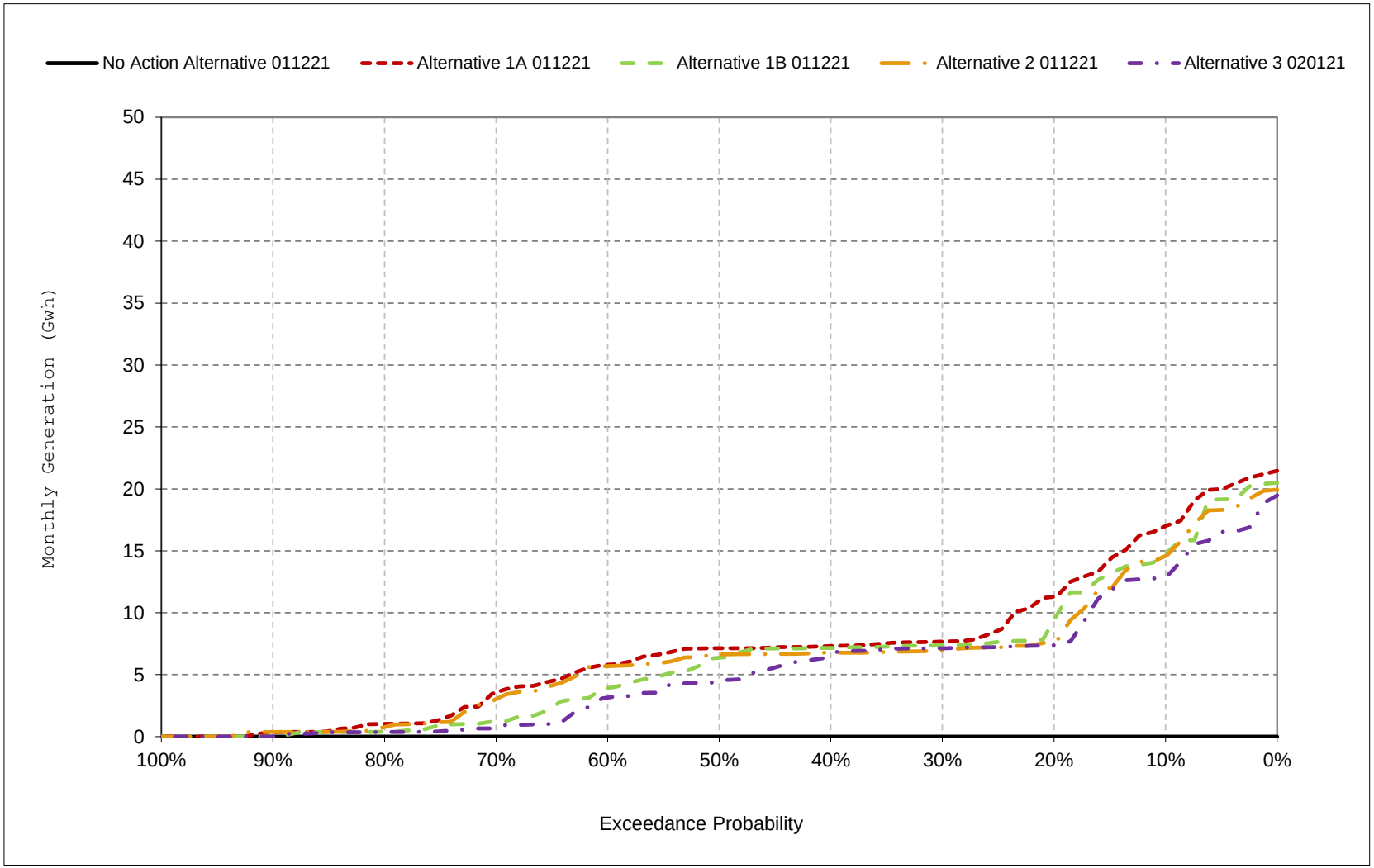
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 12-17. Sites Project Facilities Total Generation, August



*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 12-18. Sites Project Facilities Total Generation, September



*All scenarios are simulated at current climate and 0 cm sea level rise.

Table 13-1a. Sites Project Facilities Total Energy Use, No Action Alternative 011221, Monthly Energy Use (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1	1	0	0	0	0	1	3	3	3	3	1
20%	1	1	0	0	0	0	1	2	3	3	3	1
30%	1	1	0	0	0	0	1	2	3	3	3	1
40%	1	1	0	0	0	0	1	2	3	3	2	1
50%	1	1	0	0	0	0	0	2	3	3	2	1
60%	1	0	0	0	0	0	0	2	3	3	2	1
70%	0	0	0	0	0	0	0	2	2	3	2	1
80%	0	0	0	0	0	0	0	2	2	2	2	0
90%	0	0	0	0	0	0	0	2	2	2	2	0
Long Term												
Full Simulation Period[a]	1	1	0	0	0	0	1	2	3	3	2	1
Water Year Types[b,c]												
Wet (32%)	1	1	0	0	0	0	0	2	3	3	3	1
Above Normal (15%)	1	1	0	0	0	0	1	2	3	3	2	1
Below Normal (17%)	1	1	0	0	0	0	1	2	3	3	2	1
Dry (22%)	1	0	0	0	0	0	1	2	3	3	2	1
Critical (15%)	0	0	0	0	0	0	0	2	2	2	1	0

Table 13-1b. Sites Project Facilities Total Energy Use, Alternative 1A 011221, Monthly Energy Use (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1	9	13	51	54	68	34	5	7	3	3	1
20%	1	1	0	38	36	48	1	3	3	3	3	1
30%	1	1	0	18	22	40	1	2	3	3	3	1
40%	1	1	0	11	13	33	1	2	3	3	2	1
50%	0	1	0	8	10	1	1	2	3	3	2	1
60%	0	0	0	3	5	0	1	2	3	3	2	0
70%	0	0	0	0	0	0	0	2	2	2	2	0
80%	0	0	0	0	0	0	0	2	2	2	1	0
90%	0	0	0	0	0	0	0	2	2	2	1	0
Long Term												
Full Simulation Period[a]	2	3	5	17	18	24	8	4	5	3	3	1
Water Year Types[b,c]												
Wet (32%)	5	7	1	27	28	24	20	7	7	5	5	2
Above Normal (15%)	1	5	3	31	24	45	7	4	6	3	2	1
Below Normal (17%)	0	0	8	10	17	25	5	2	5	3	2	0
Dry (22%)	0	1	8	6	10	22	0	2	2	2	2	0
Critical (15%)	0	0	6	4	2	5	0	2	2	1	1	0

Table 13-1c. Sites Project Facilities Total Energy Use, Alternative 1A 011221 minus No Action Alternative 011221, Monthly Energy Use (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	8	13	51	54	68	33	2	4	0	0	0
20%	0	0	0	38	36	48	0	0	0	0	0	0
30%	0	0	0	17	22	40	0	0	0	0	0	0
40%	0	0	0	11	13	33	0	0	0	0	0	0
50%	0	0	0	8	10	1	0	0	0	0	0	0
60%	0	0	0	2	5	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	1	3	5	17	18	24	8	2	2	0	1	0
Water Year Types[b,c]												
Wet (32%)	4	7	1	27	28	24	20	5	4	2	2	1
Above Normal (15%)	0	4	3	31	24	45	7	2	3	0	0	0
Below Normal (17%)	0	0	7	10	17	25	4	0	2	0	0	0
Dry (22%)	0	0	8	6	10	22	0	0	0	0	0	0
Critical (15%)	0	0	6	4	2	5	0	0	0	0	0	0

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 13-2a. Sites Project Facilities Total Energy Use, No Action Alternative 011221, Monthly Energy Use (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1	1	0	0	0	0	1	3	3	3	3	1
20%	1	1	0	0	0	0	1	2	3	3	3	1
30%	1	1	0	0	0	0	1	2	3	3	3	1
40%	1	1	0	0	0	0	1	2	3	3	2	1
50%	1	1	0	0	0	0	0	2	3	3	2	1
60%	1	0	0	0	0	0	0	2	3	3	2	1
70%	0	0	0	0	0	0	0	2	2	3	2	1
80%	0	0	0	0	0	0	0	2	2	2	2	0
90%	0	0	0	0	0	0	0	2	2	2	2	0
Long Term												
Full Simulation Period[a]	1	1	0	0	0	0	1	2	3	3	2	1
Water Year Types[b,c]												
Wet (32%)	1	1	0	0	0	0	0	2	3	3	3	1
Above Normal (15%)	1	1	0	0	0	0	1	2	3	3	2	1
Below Normal (17%)	1	1	0	0	0	0	1	2	3	3	2	1
Dry (22%)	1	0	0	0	0	0	1	2	3	3	2	1
Critical (15%)	0	0	0	0	0	0	0	2	2	2	1	0

Table 13-2b. Sites Project Facilities Total Energy Use, Alternative 1B 011221, Monthly Energy Use (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1	8	16	58	56	68	59	4	8	3	3	1
20%	1	1	0	39	41	47	1	3	3	3	3	1
30%	1	1	0	21	31	40	1	2	3	3	3	1
40%	1	1	0	13	14	34	1	2	3	3	2	1
50%	0	1	0	9	10	3	1	2	3	3	2	1
60%	0	0	0	5	5	0	0	2	2	3	2	0
70%	0	0	0	0	0	0	0	2	2	2	2	0
80%	0	0	0	0	0	0	0	2	2	2	1	0
90%	0	0	0	0	0	0	0	1	2	2	1	0
Long Term												
Full Simulation Period[a]	2	3	5	18	19	24	9	5	5	3	3	1
Water Year Types[b,c]												
Wet (32%)	5	7	1	30	32	25	23	9	7	5	5	1
Above Normal (15%)	2	6	4	30	27	44	7	4	6	3	2	1
Below Normal (17%)	0	0	7	10	18	24	5	2	5	3	2	1
Dry (22%)	0	1	8	6	10	23	0	2	2	2	2	0
Critical (15%)	1	0	6	4	2	5	0	2	2	1	1	0

Table 13-2c. Sites Project Facilities Total Energy Use, Alternative 1B 011221 minus No Action Alternative 011221, Monthly Energy Use (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	7	16	58	56	68	58	2	5	0	0	0
20%	0	0	0	39	41	47	0	0	0	0	0	0
30%	0	0	0	21	31	40	0	0	0	0	0	0
40%	0	0	0	13	14	34	0	0	0	0	0	0
50%	0	0	0	9	10	3	0	0	0	0	0	0
60%	0	0	0	5	5	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	2	3	5	18	19	24	9	2	2	0	1	0
Water Year Types[b,c]												
Wet (32%)	4	7	1	30	32	25	22	7	5	2	2	0
Above Normal (15%)	2	6	4	30	27	44	6	2	3	0	0	0
Below Normal (17%)	0	0	7	10	18	24	4	0	2	0	0	0
Dry (22%)	0	0	7	6	10	23	0	0	0	0	0	0
Critical (15%)	0	0	6	4	2	5	0	0	0	0	0	0

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 13-3a. Sites Project Facilities Total Energy Use, No Action Alternative 011221, Monthly Energy Use (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1	1	0	0	0	0	1	3	3	3	3	1
20%	1	1	0	0	0	0	1	2	3	3	3	1
30%	1	1	0	0	0	0	1	2	3	3	3	1
40%	1	1	0	0	0	0	1	2	3	3	2	1
50%	1	1	0	0	0	0	0	2	3	3	2	1
60%	1	0	0	0	0	0	0	2	3	3	2	1
70%	0	0	0	0	0	0	0	2	2	3	2	1
80%	0	0	0	0	0	0	0	2	2	2	2	0
90%	0	0	0	0	0	0	0	2	2	2	2	0
Long Term												
Full Simulation Period[a]	1	1	0	0	0	0	1	2	3	3	2	1
Water Year Types[b,c]												
Wet (32%)	1	1	0	0	0	0	0	2	3	3	3	1
Above Normal (15%)	1	1	0	0	0	0	1	2	3	3	2	1
Below Normal (17%)	1	1	0	0	0	0	1	2	3	3	2	1
Dry (22%)	1	0	0	0	0	0	1	2	3	3	2	1
Critical (15%)	0	0	0	0	0	0	0	2	2	2	1	0

Table 13-3b. Sites Project Facilities Total Energy Use, Alternative 2 011221, Monthly Energy Use (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1	11	13	49	53	53	2	4	6	3	3	1
20%	1	1	0	33	34	45	1	3	3	3	3	1
30%	1	1	0	17	19	37	1	2	3	3	3	1
40%	1	1	0	11	12	26	1	2	3	3	2	1
50%	0	1	0	8	9	1	1	2	3	3	2	1
60%	0	0	0	2	4	0	1	2	3	3	2	0
70%	0	0	0	0	0	0	0	2	2	2	2	0
80%	0	0	0	0	0	0	0	2	2	2	2	0
90%	0	0	0	0	0	0	0	2	2	2	1	0
Long Term												
Full Simulation Period[a]	2	3	5	16	17	21	7	4	5	3	2	1
Water Year Types[b,c]												
Wet (32%)	5	7	1	25	25	18	17	7	7	5	4	1
Above Normal (15%)	1	5	3	30	23	43	7	4	6	3	2	1
Below Normal (17%)	0	1	8	10	17	24	5	2	5	3	2	0
Dry (22%)	0	1	8	6	9	19	0	2	2	2	2	0
Critical (15%)	0	0	6	4	2	5	0	2	2	2	1	0

Table 13-3c. Sites Project Facilities Total Energy Use, Alternative 2 011221 minus No Action Alternative 011221, Monthly Energy Use (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	10	13	49	53	53	1	2	3	0	0	0
20%	0	0	0	33	34	45	0	0	0	0	0	0
30%	0	0	0	17	19	36	0	0	0	0	0	0
40%	0	0	0	11	12	26	0	0	0	0	0	0
50%	0	0	0	8	9	1	0	0	0	0	0	0
60%	0	0	0	2	4	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	1	3	4	16	17	21	7	2	2	0	0	0
Water Year Types[b,c]												
Wet (32%)	4	7	1	25	25	18	16	5	4	2	1	0
Above Normal (15%)	0	4	3	30	23	43	7	2	3	0	0	0
Below Normal (17%)	0	1	7	10	17	24	4	0	2	0	0	0
Dry (22%)	0	0	8	5	9	19	0	0	0	0	0	0
Critical (15%)	0	0	6	4	2	5	0	0	0	0	0	0

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 13-4a. Sites Project Facilities Total Energy Use, No Action Alternative 011221, Monthly Energy Use (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1	1	0	0	0	0	1	3	3	3	3	1
20%	1	1	0	0	0	0	1	2	3	3	3	1
30%	1	1	0	0	0	0	1	2	3	3	3	1
40%	1	1	0	0	0	0	1	2	3	3	2	1
50%	1	1	0	0	0	0	0	2	3	3	2	1
60%	1	0	0	0	0	0	0	2	3	3	2	1
70%	0	0	0	0	0	0	0	2	2	3	2	1
80%	0	0	0	0	0	0	0	2	2	2	2	0
90%	0	0	0	0	0	0	0	2	2	2	2	0
Long Term												
Full Simulation Period[a]	1	1	0	0	0	0	1	2	3	3	2	1
Water Year Types[b,c]												
Wet (32%)	1	1	0	0	0	0	0	2	3	3	3	1
Above Normal (15%)	1	1	0	0	0	0	1	2	3	3	2	1
Below Normal (17%)	1	1	0	0	0	0	1	2	3	3	2	1
Dry (22%)	1	0	0	0	0	0	1	2	3	3	2	1
Critical (15%)	0	0	0	0	0	0	0	2	2	2	1	0

Table 13-4b. Sites Project Facilities Total Energy Use, Alternative 3 020121, Monthly Energy Use (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1	12	14	56	57	71	62	4	7	3	3	1
20%	1	2	5	37	42	49	1	3	3	3	3	1
30%	1	1	0	20	33	42	1	2	3	3	3	1
40%	1	1	0	13	13	36	1	2	3	3	2	1
50%	0	1	0	9	10	18	1	2	2	2	2	1
60%	0	0	0	5	5	1	1	2	2	2	2	1
70%	0	0	0	0	0	0	0	2	2	2	2	0
80%	0	0	0	0	0	0	0	2	2	2	1	0
90%	0	0	0	0	0	0	0	1	2	2	1	0
Long Term												
Full Simulation Period[a]	2	4	5	17	20	27	11	5	5	3	3	1
Water Year Types[b,c]												
Wet (32%)	5	7	1	30	31	33	28	12	8	5	5	2
Above Normal (15%)	3	8	9	30	30	45	7	4	5	2	2	1
Below Normal (17%)	0	1	8	10	21	24	5	2	4	2	2	1
Dry (22%)	1	1	7	5	9	22	0	2	2	2	2	0
Critical (15%)	1	0	6	4	2	4	0	1	2	2	1	0

Table 13-4c. Sites Project Facilities Total Energy Use, Alternative 3 020121 minus No Action Alternative 011221, Monthly Energy Use (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1	11	14	56	57	71	61	2	4	0	0	0
20%	0	2	4	37	42	49	0	0	0	0	0	0
30%	0	0	0	20	33	42	0	0	0	0	0	0
40%	0	0	0	13	13	36	0	0	0	0	0	0
50%	0	0	0	9	10	18	0	0	0	-1	0	0
60%	0	0	0	5	5	1	0	0	0	-1	0	0
70%	0	0	0	0	0	0	0	0	-1	-1	0	0
80%	0	0	0	0	0	0	0	0	-1	-1	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	2	3	5	17	20	27	11	3	2	0	0	0
Water Year Types[b,c]												
Wet (32%)	4	7	1	30	31	33	28	10	6	2	2	1
Above Normal (15%)	3	7	9	30	30	45	6	2	3	-1	-1	0
Below Normal (17%)	0	1	8	9	21	24	4	0	1	-1	0	0
Dry (22%)	0	0	7	5	9	22	0	0	0	-1	0	0
Critical (15%)	0	0	6	4	2	4	0	0	0	0	0	0

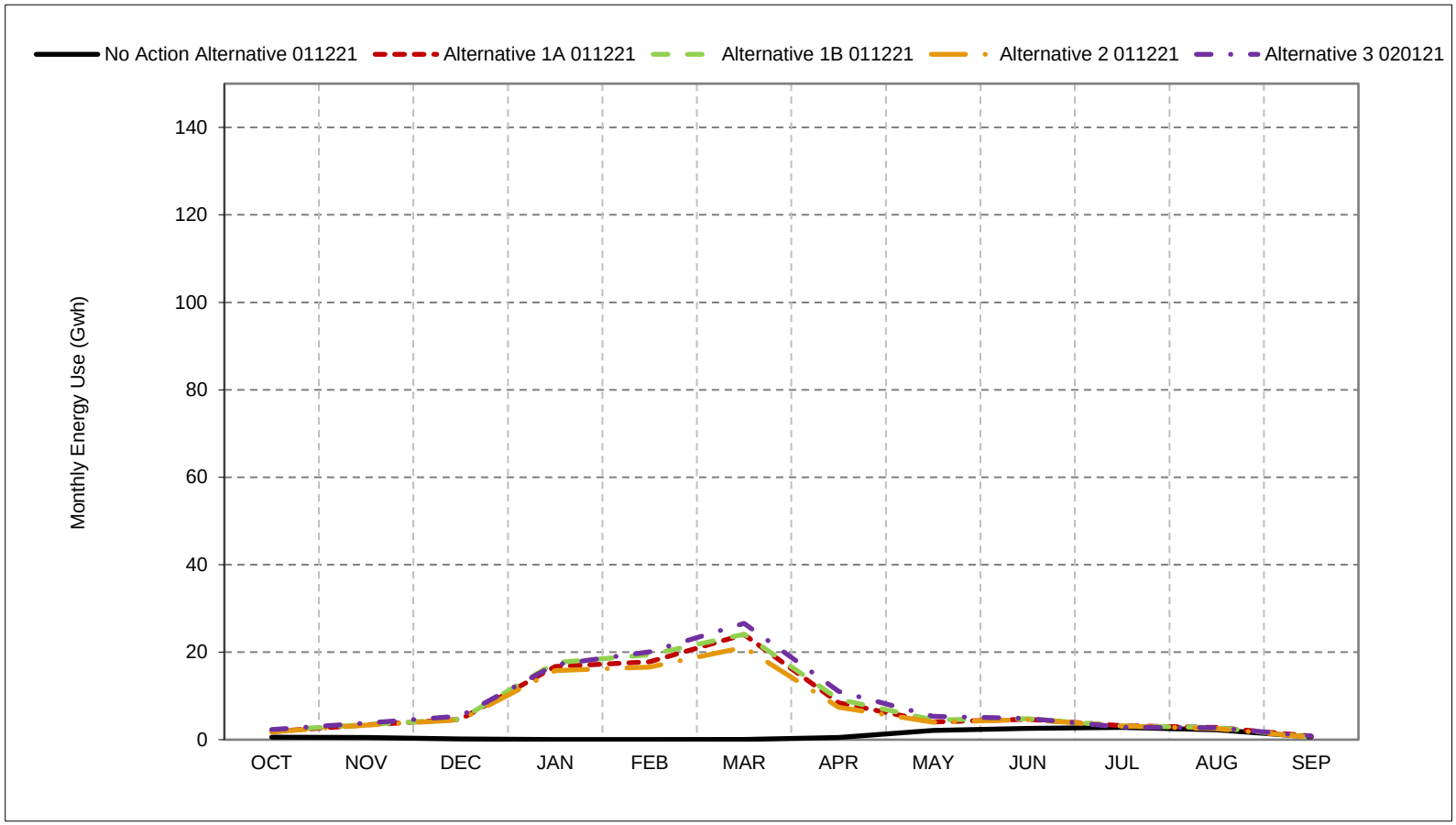
a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 13-1. Sites Project Facilities Total Energy Use, Long-Term Average Energy Use

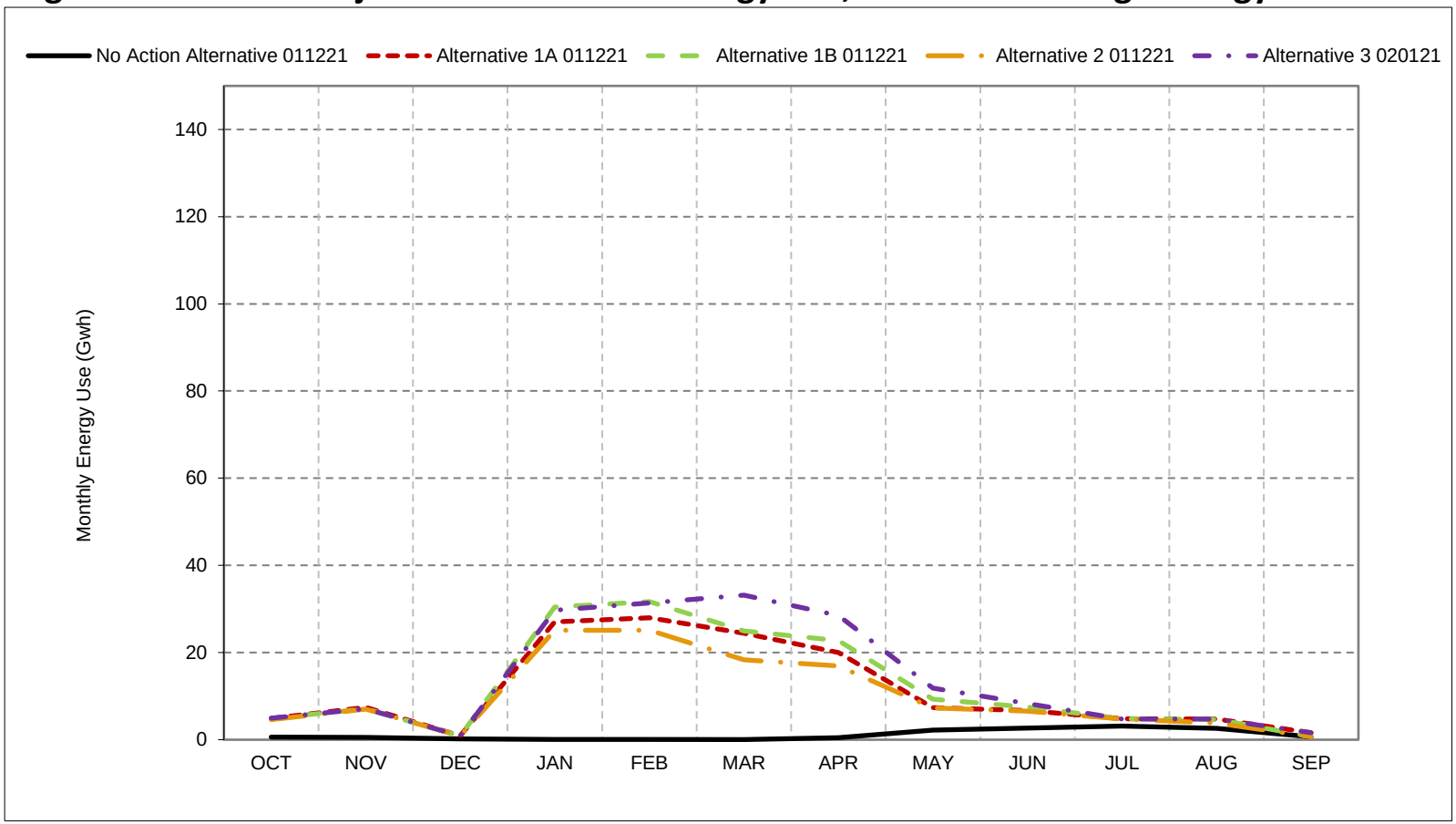


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 13-2. Sites Project Facilities Total Energy Use, Wet Year Average Energy Use

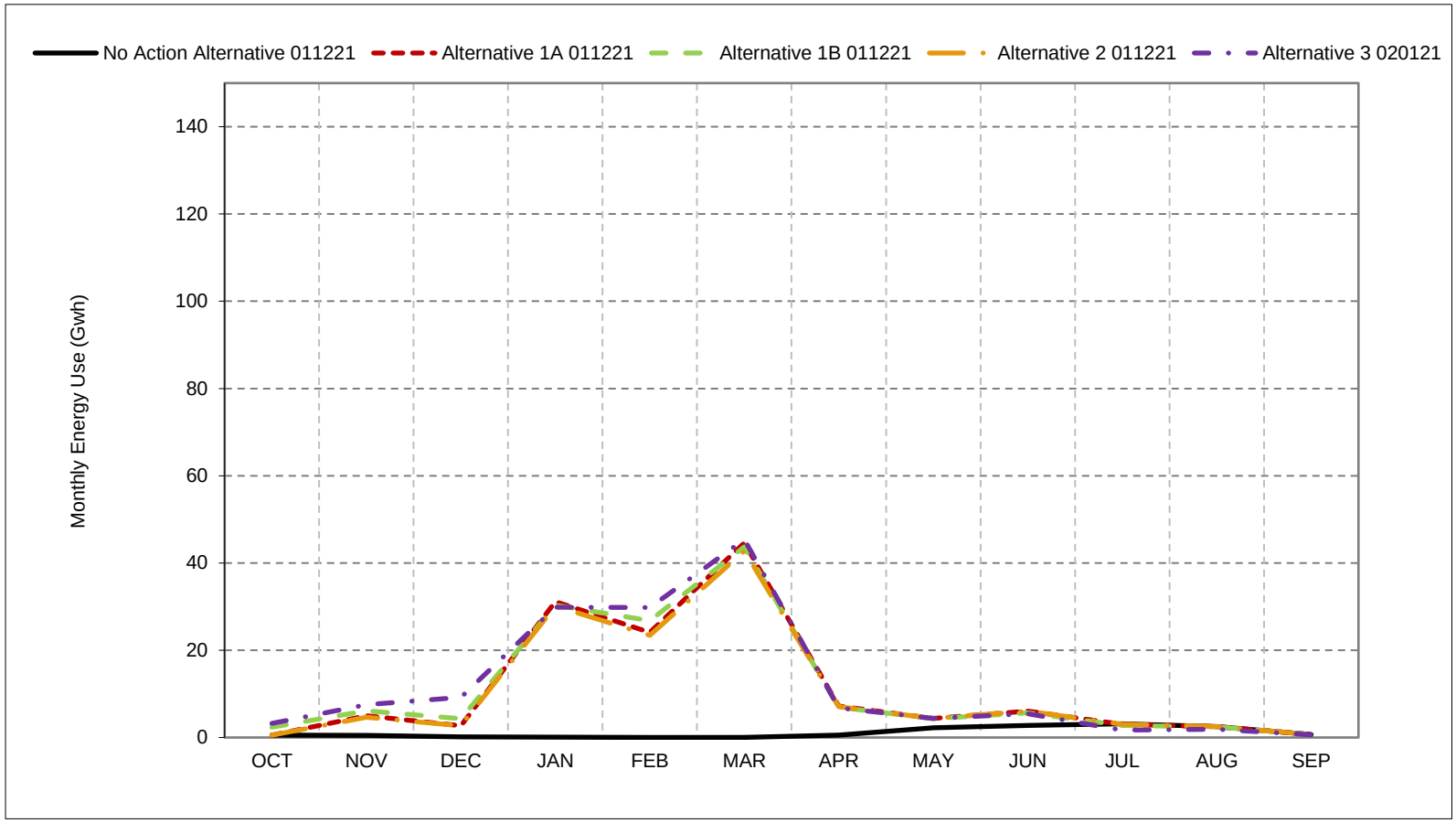


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 13-3. Sites Project Facilities Total Energy Use, Above Normal Year Average Energy Use

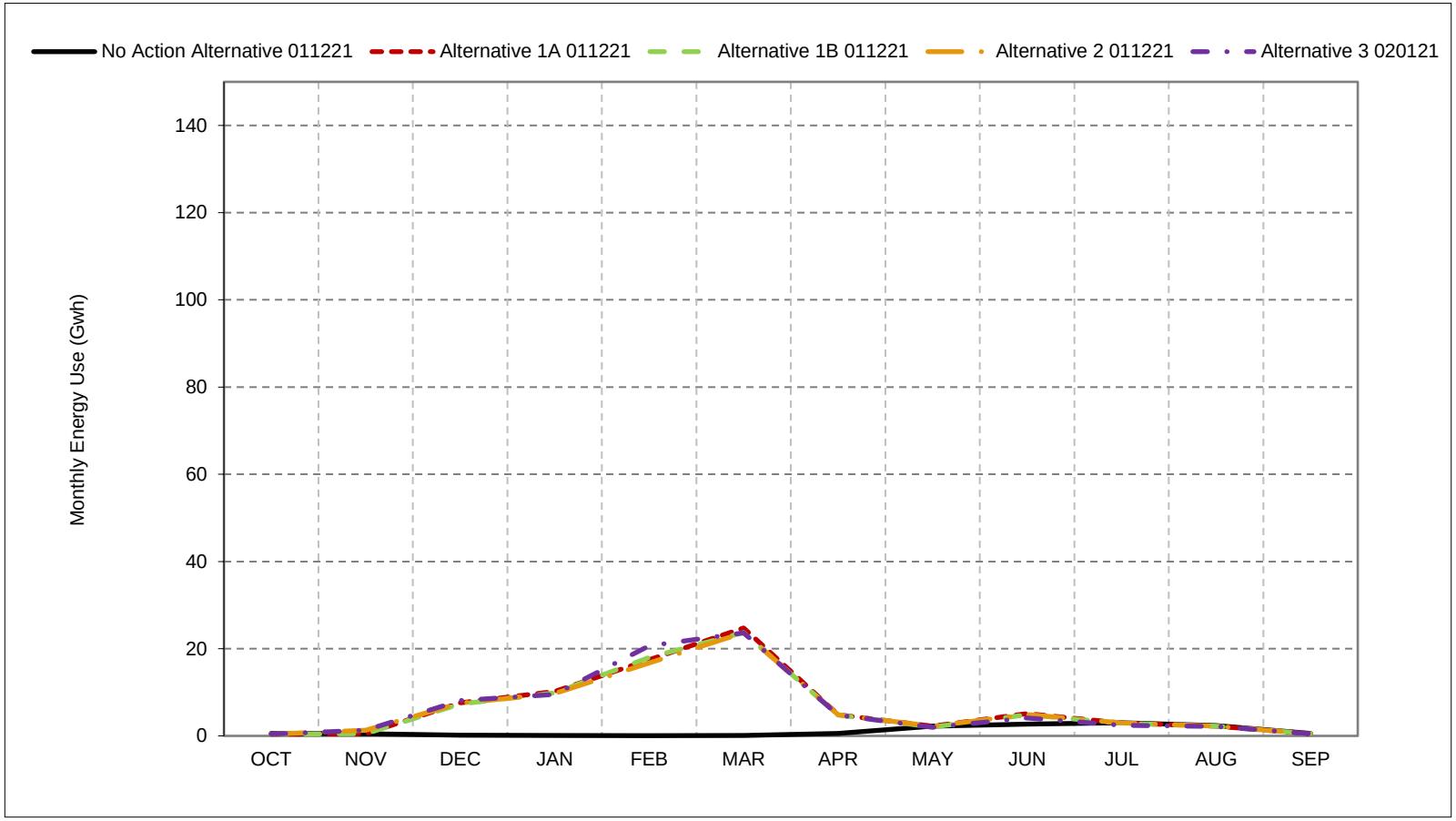


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 13-4. Sites Project Facilities Total Energy Use, Below Normal Year Average Energy Use

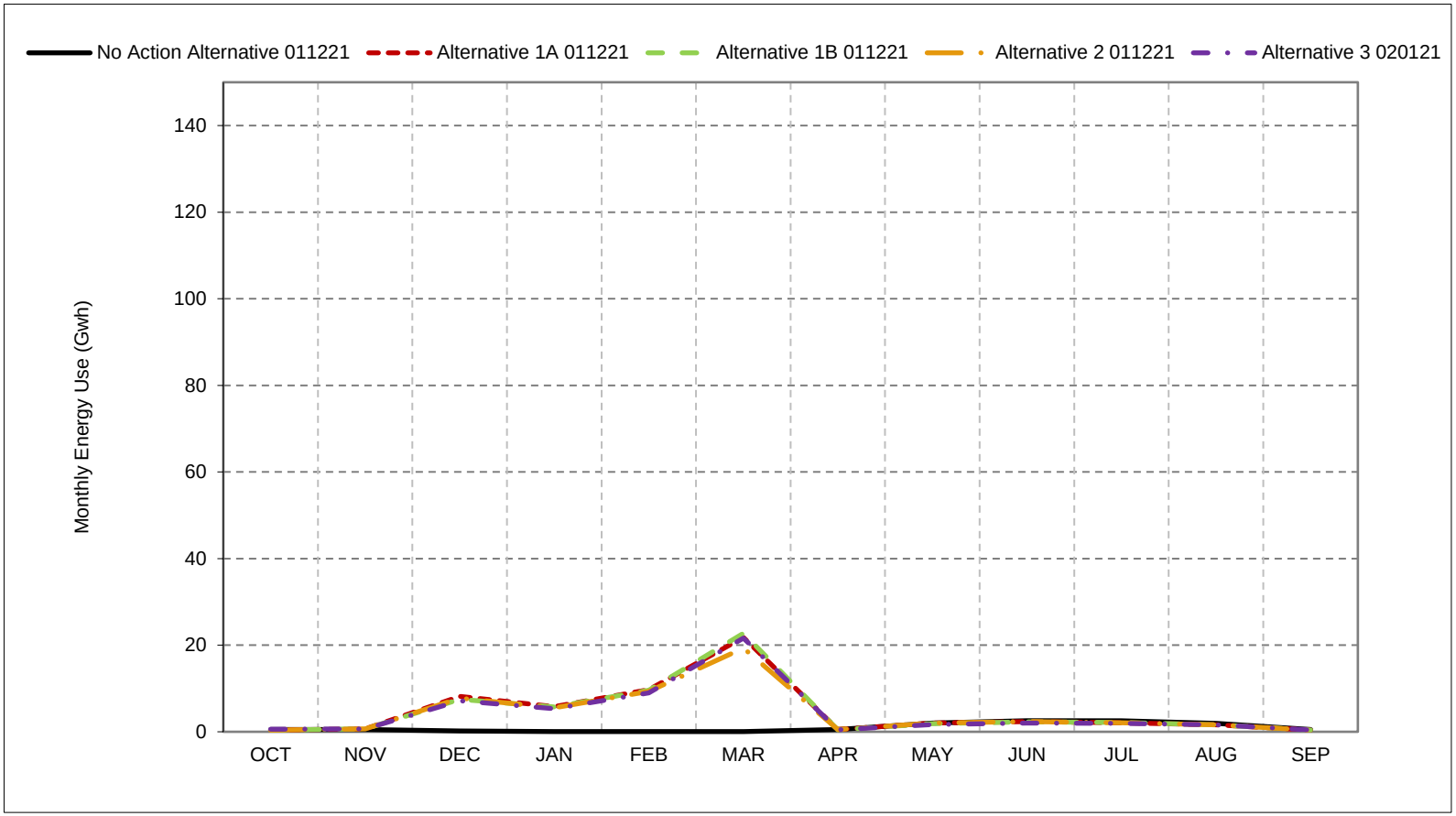


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 13-5. Sites Project Facilities Total Energy Use, Dry Year Average Energy Use

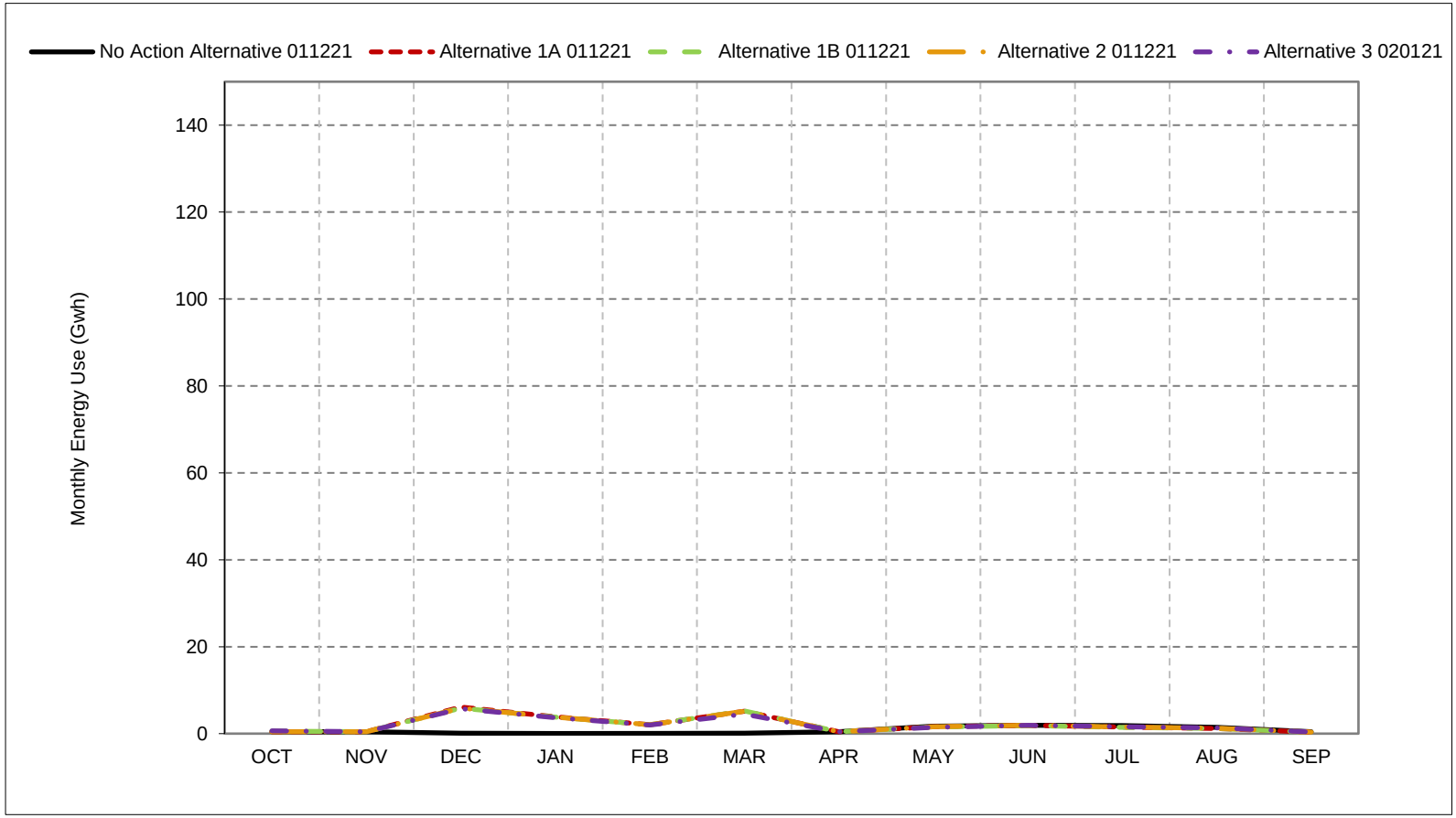


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 13-6. Sites Project Facilities Total Energy Use, Critical Year Average Energy Use

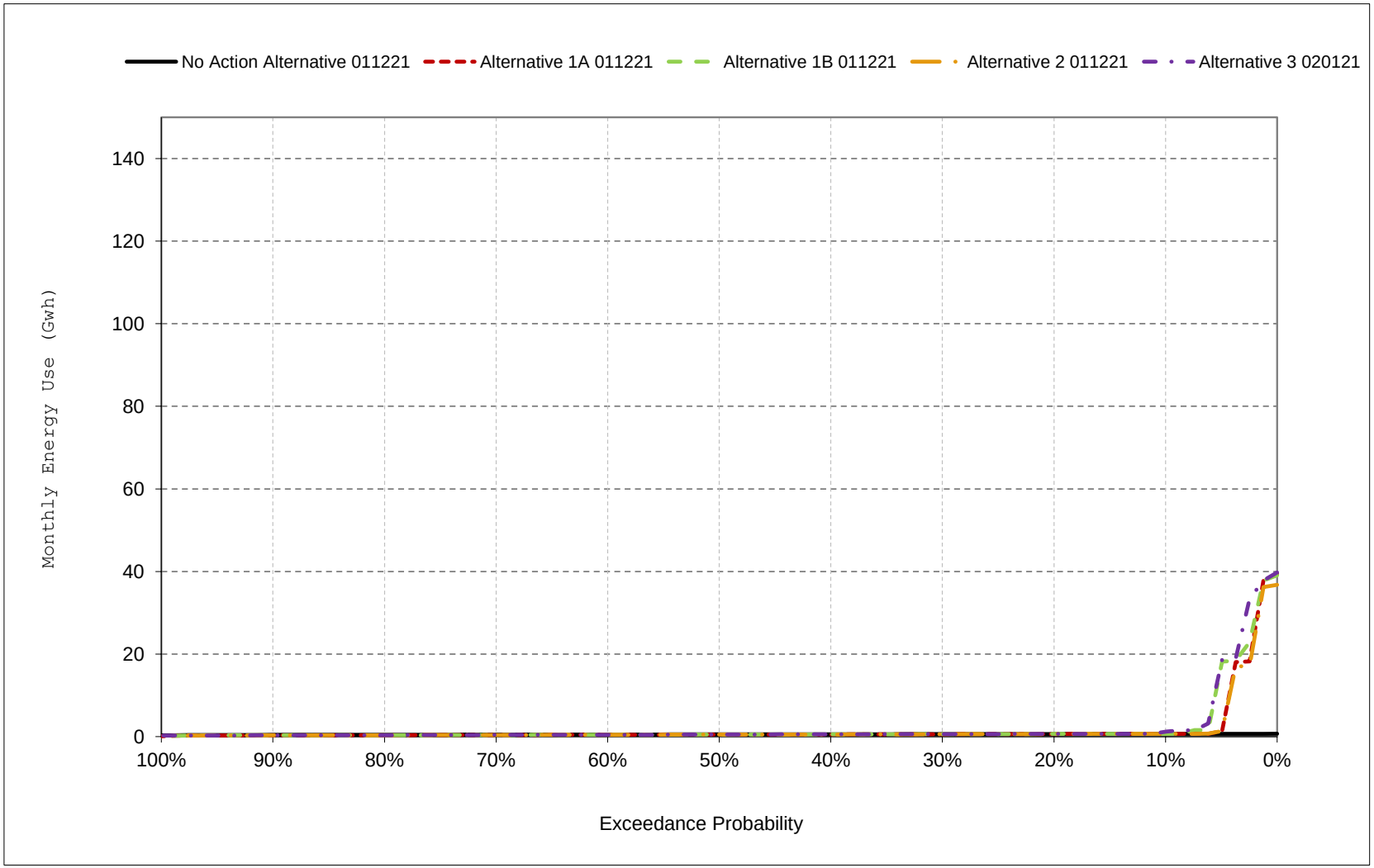


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

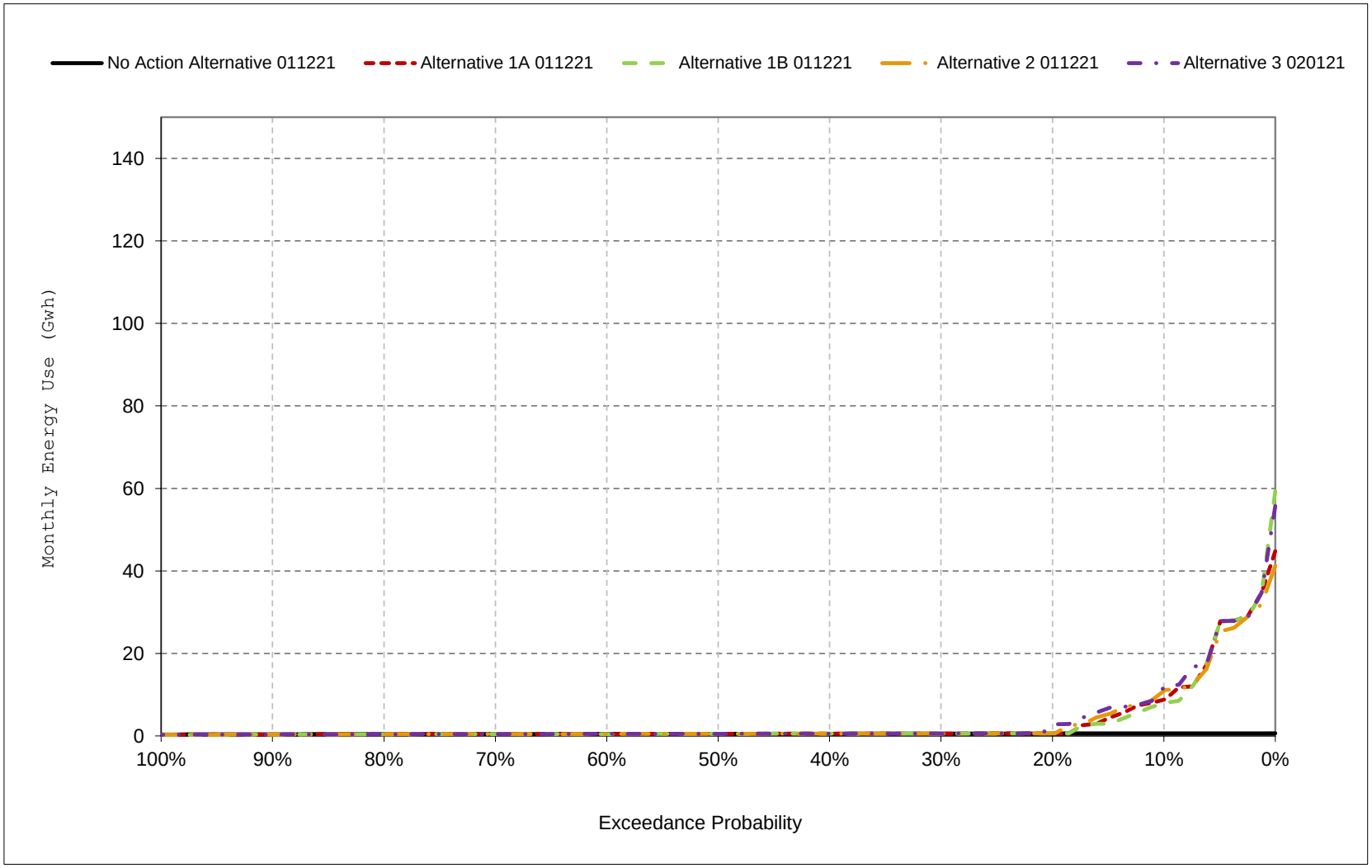
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 13-7. Sites Project Facilities Total Energy Use, October



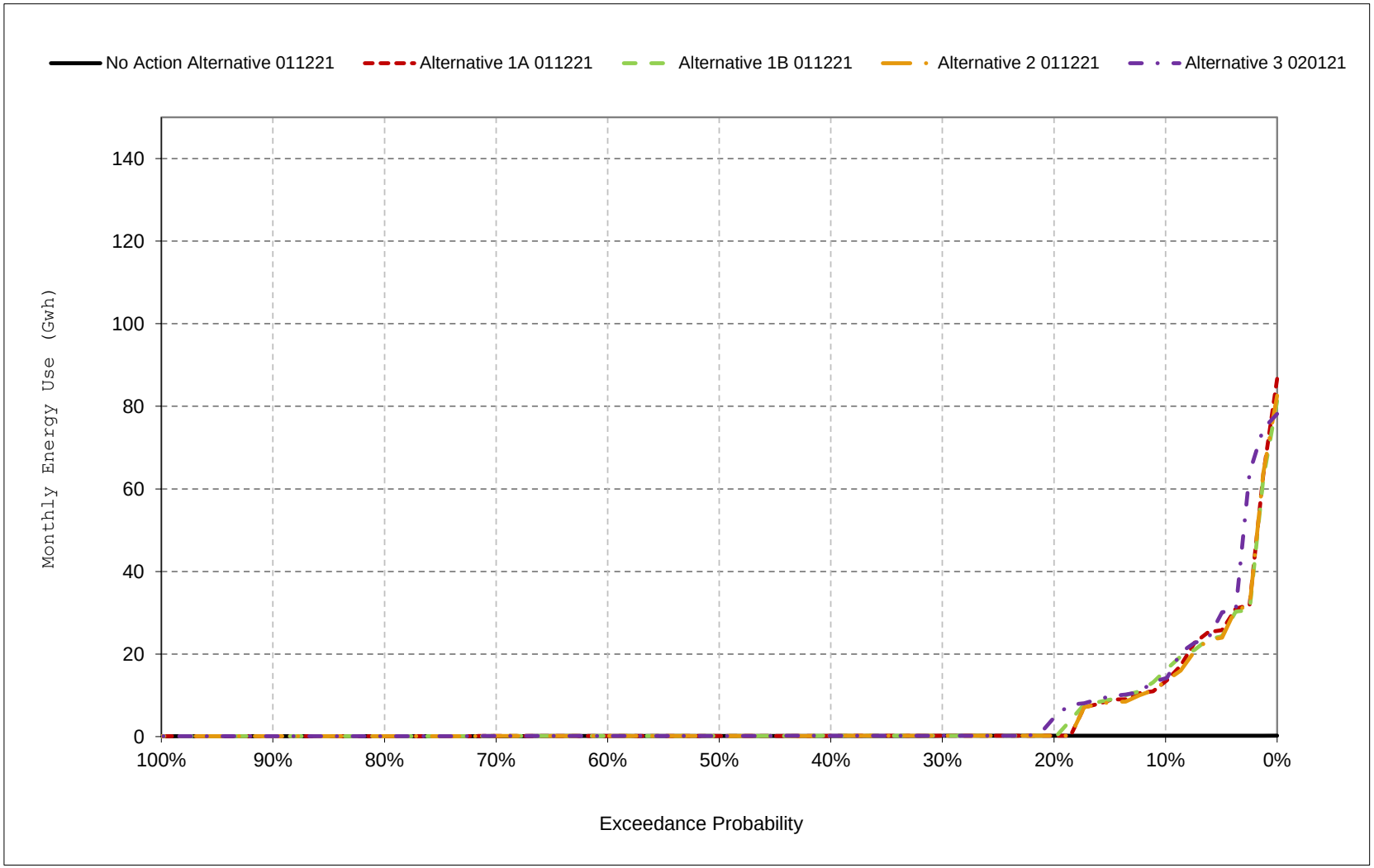
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 13-8. Sites Project Facilities Total Energy Use, November



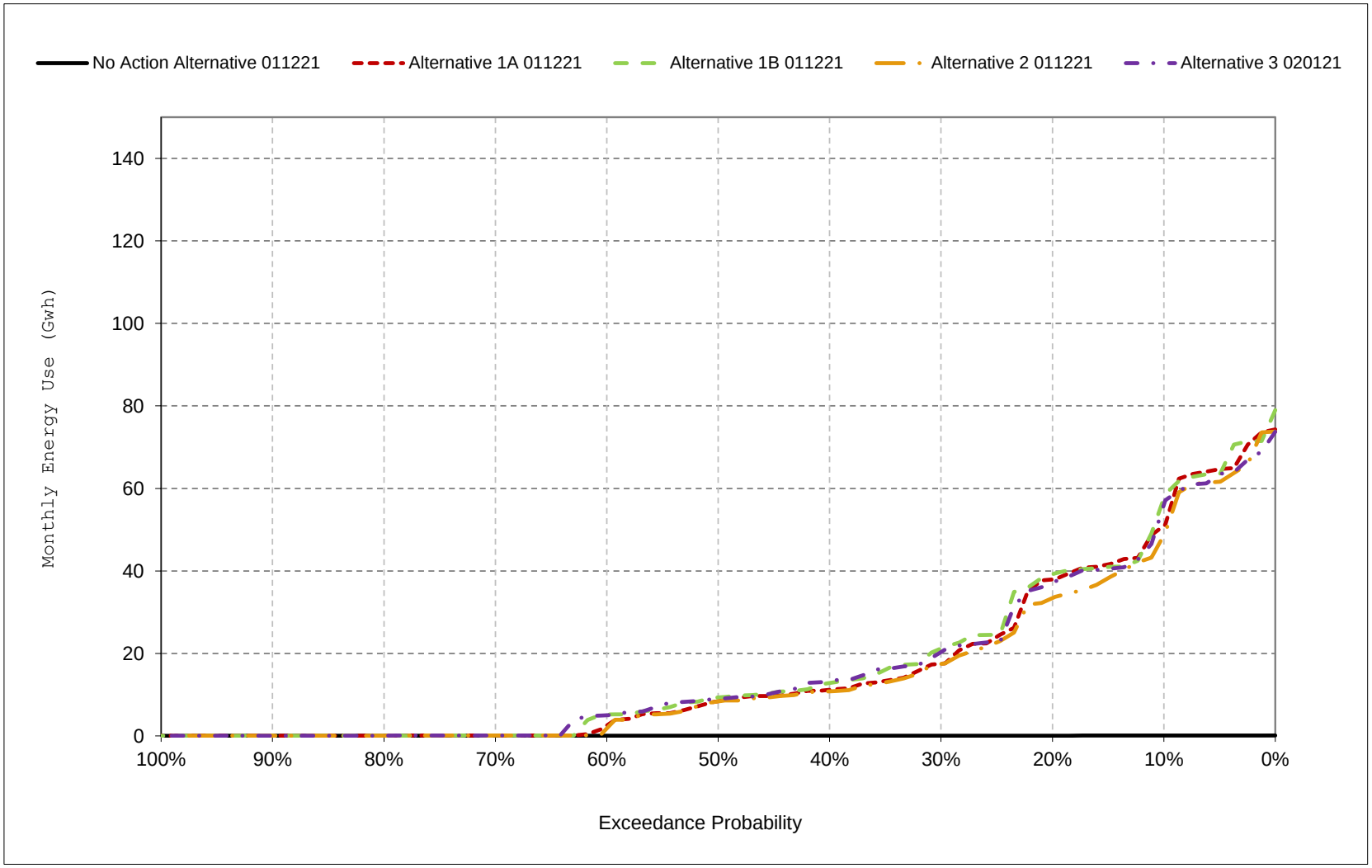
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 13-9. Sites Project Facilities Total Energy Use, December



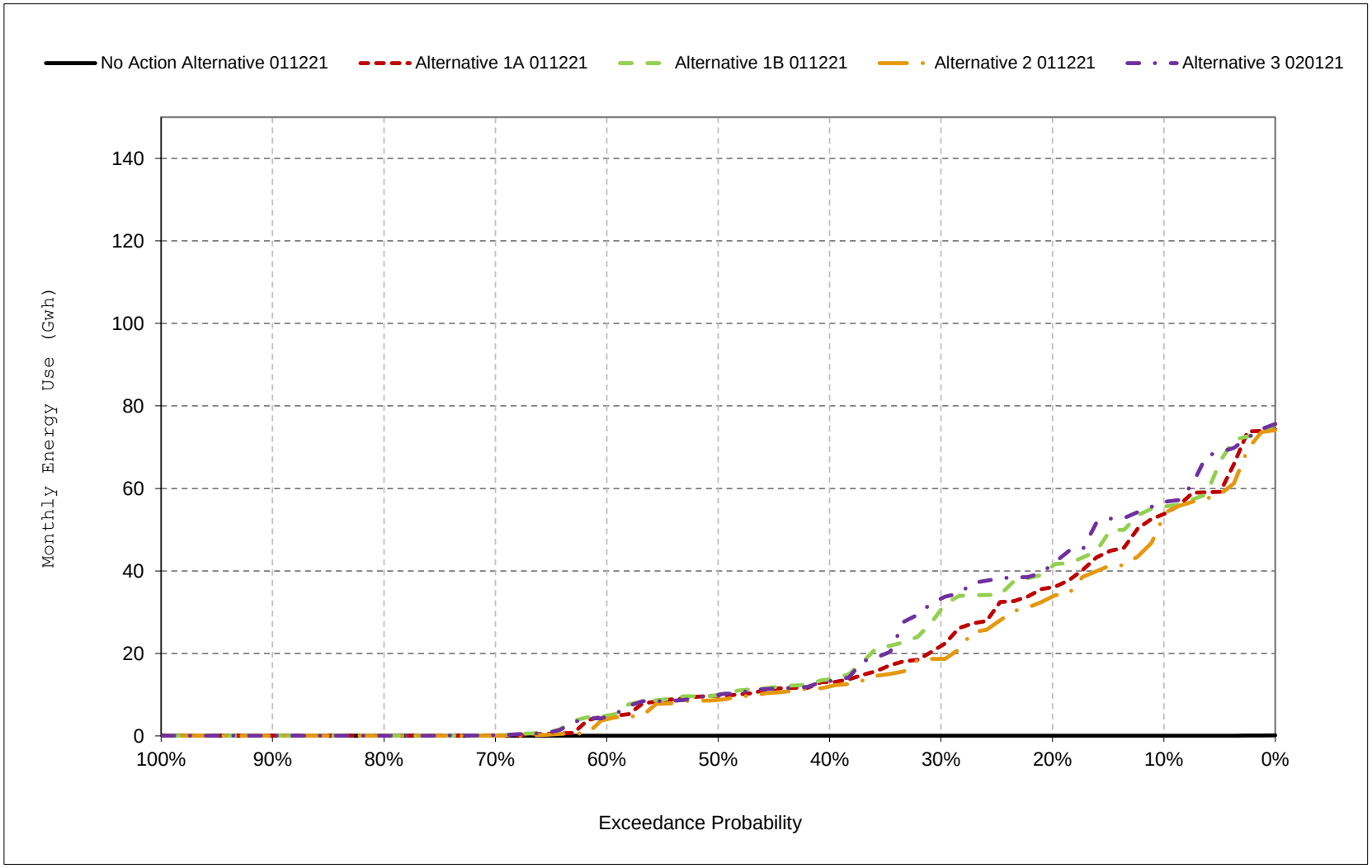
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 13-10. Sites Project Facilities Total Energy Use, January



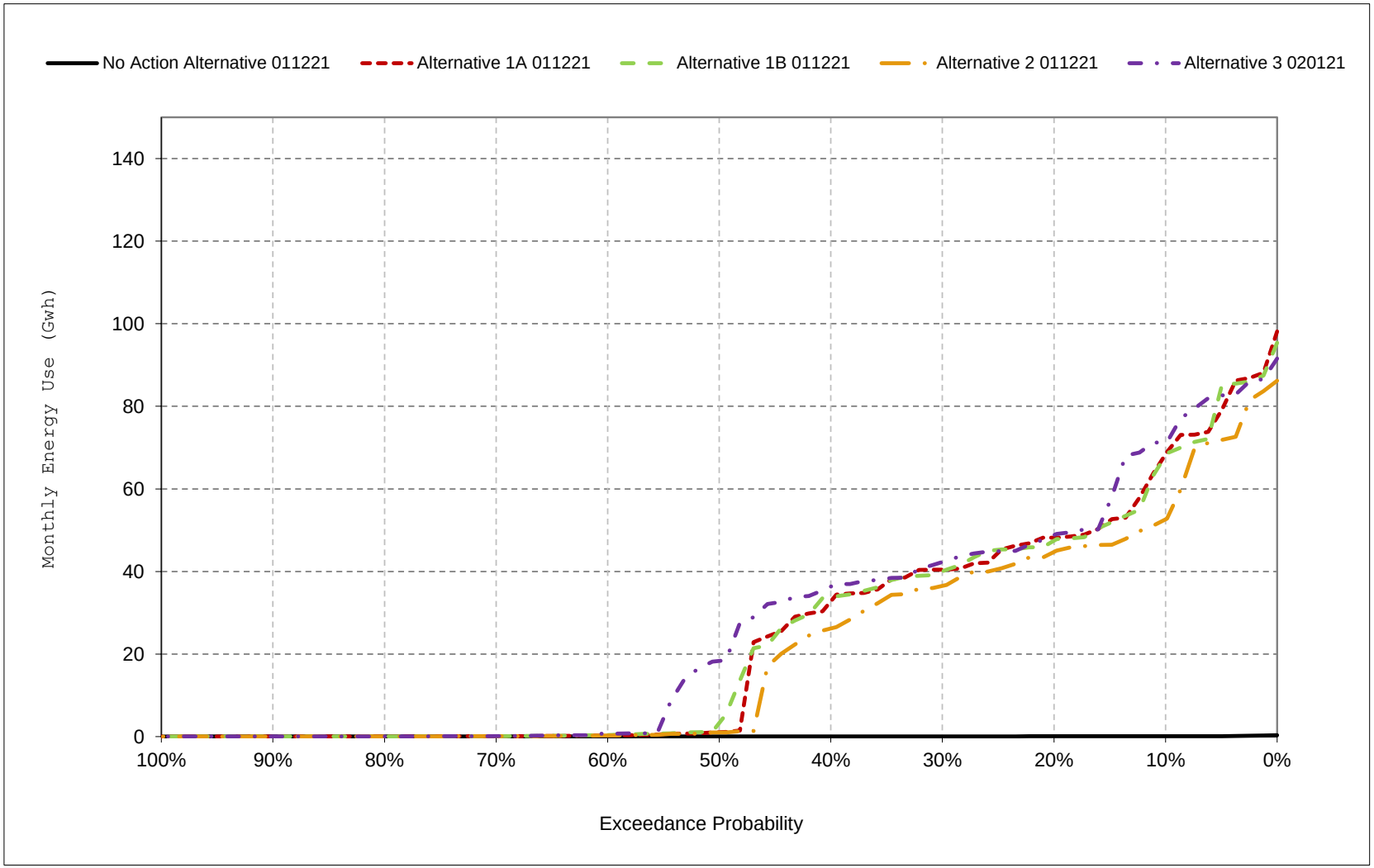
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 13-11. Sites Project Facilities Total Energy Use, February



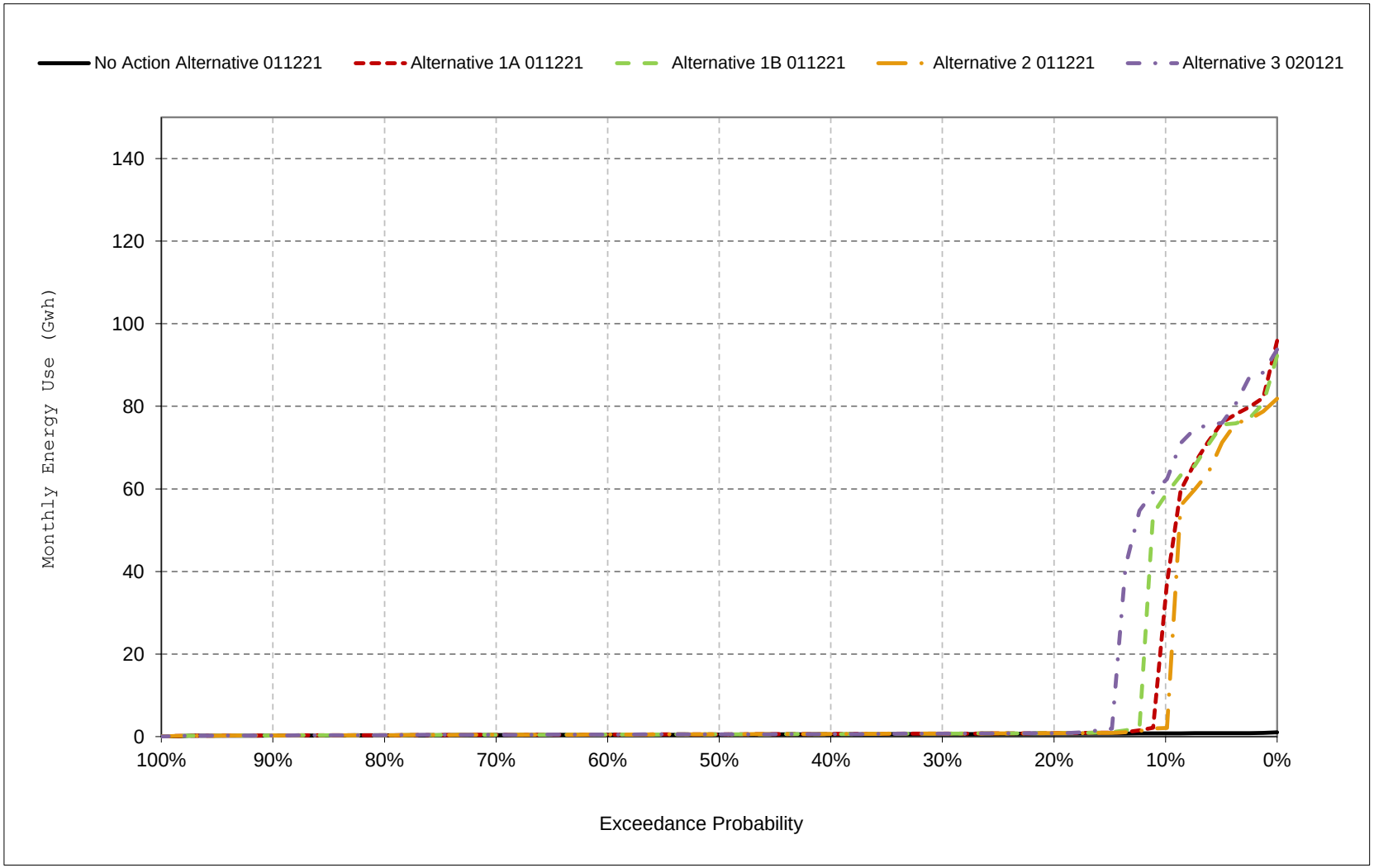
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 13-12. Sites Project Facilities Total Energy Use, March



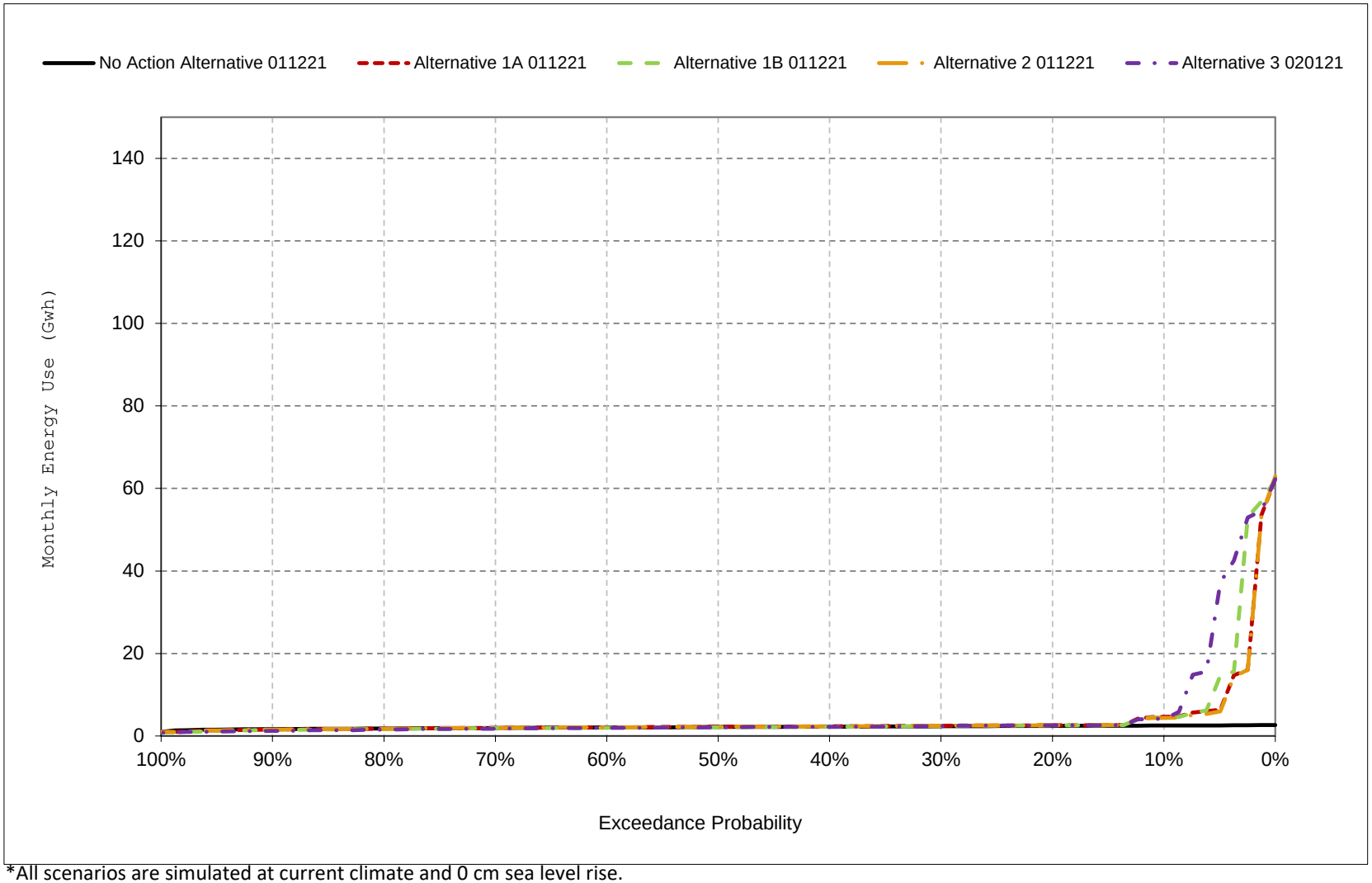
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 13-13. Sites Project Facilities Total Energy Use, April



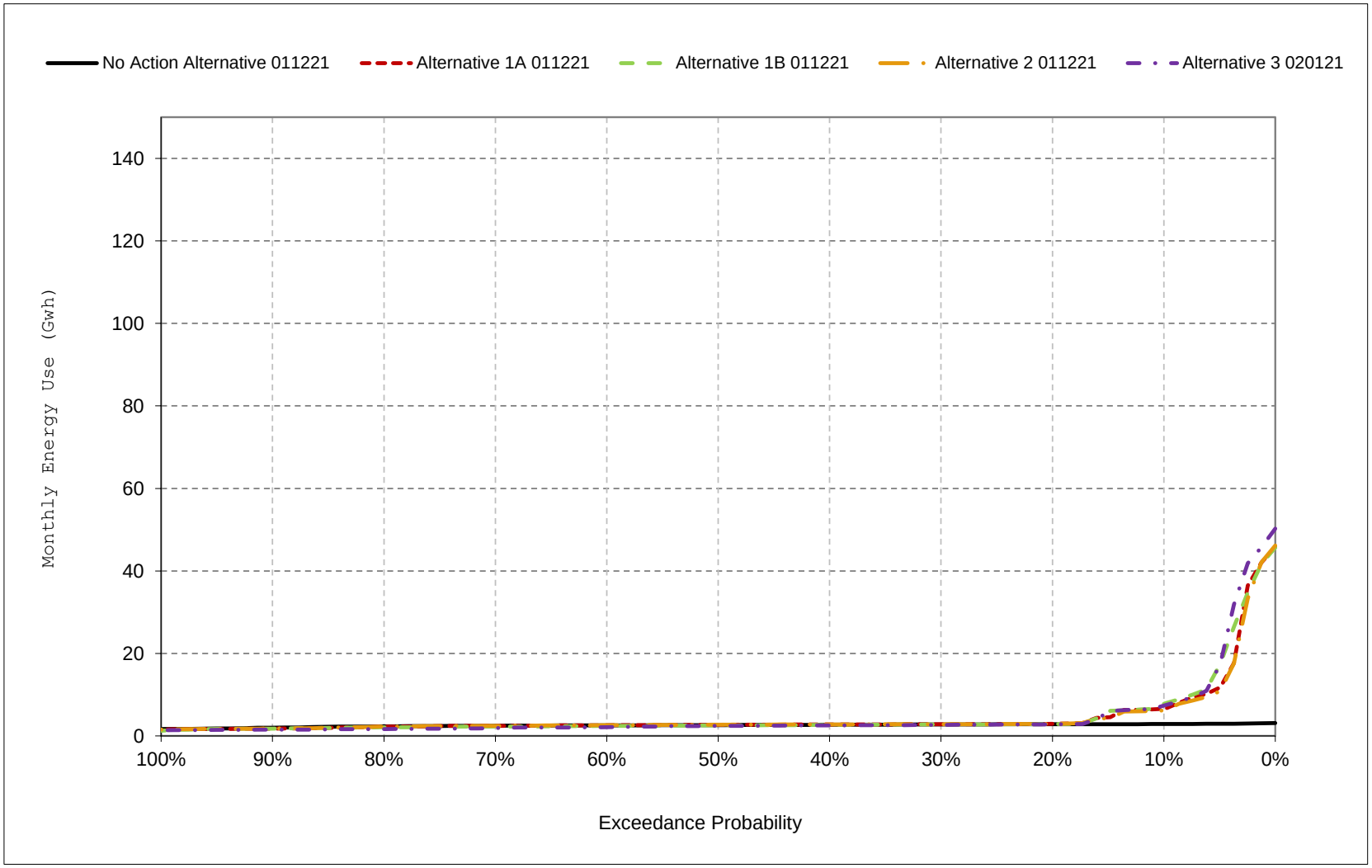
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 13-14. Sites Project Facilities Total Energy Use, May



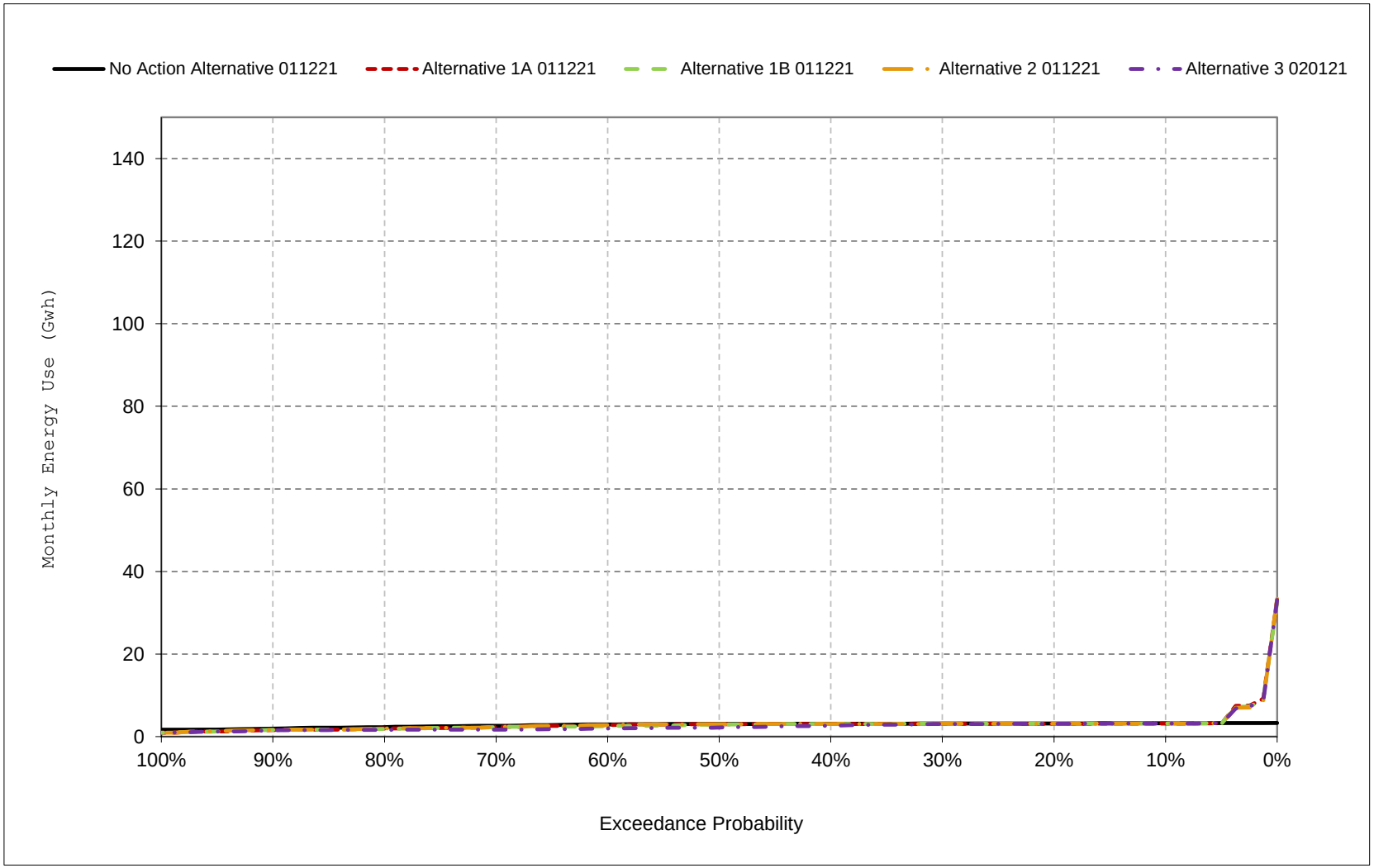
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 13-15. Sites Project Facilities Total Energy Use, June



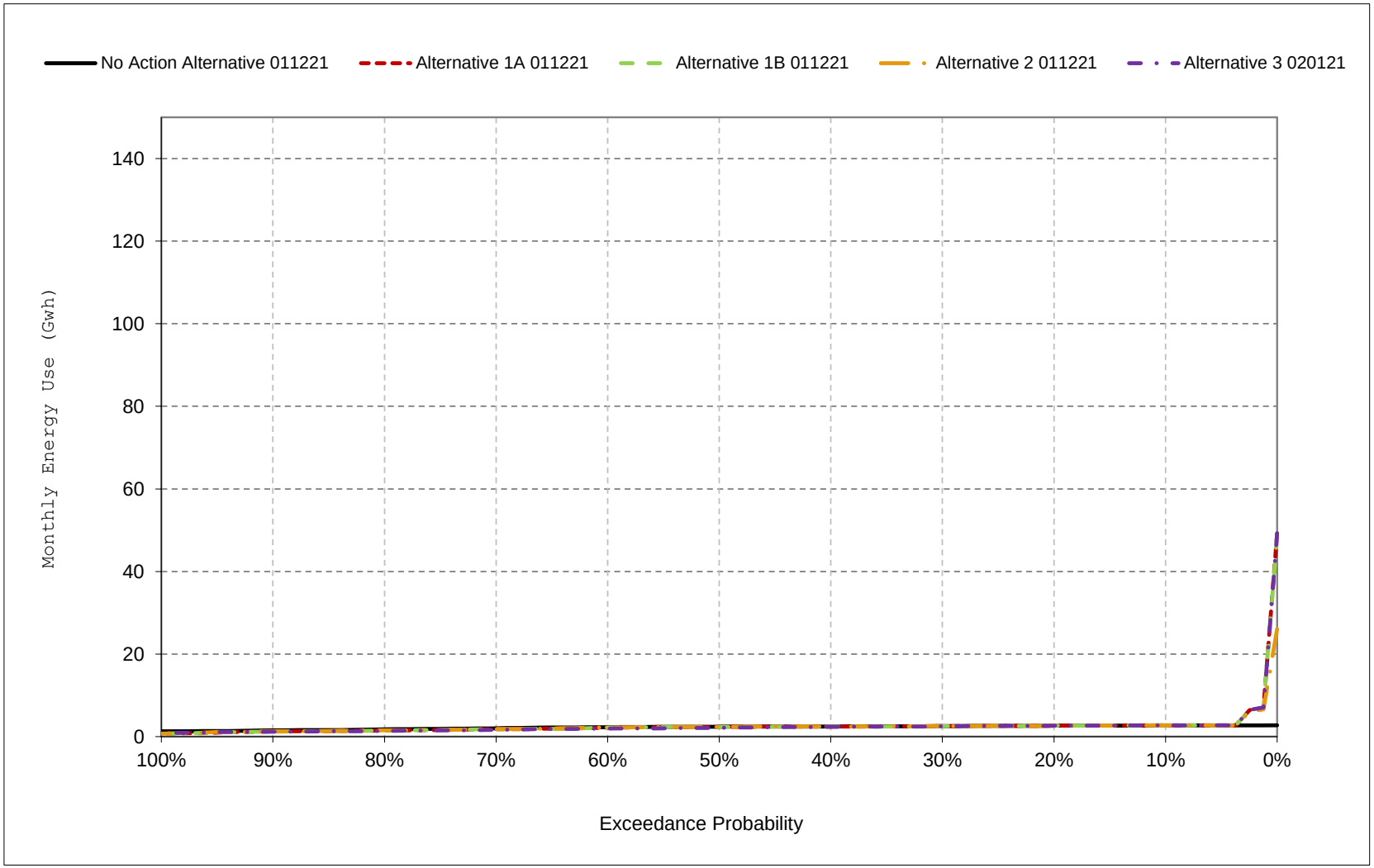
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 13-16. Sites Project Facilities Total Energy Use, July



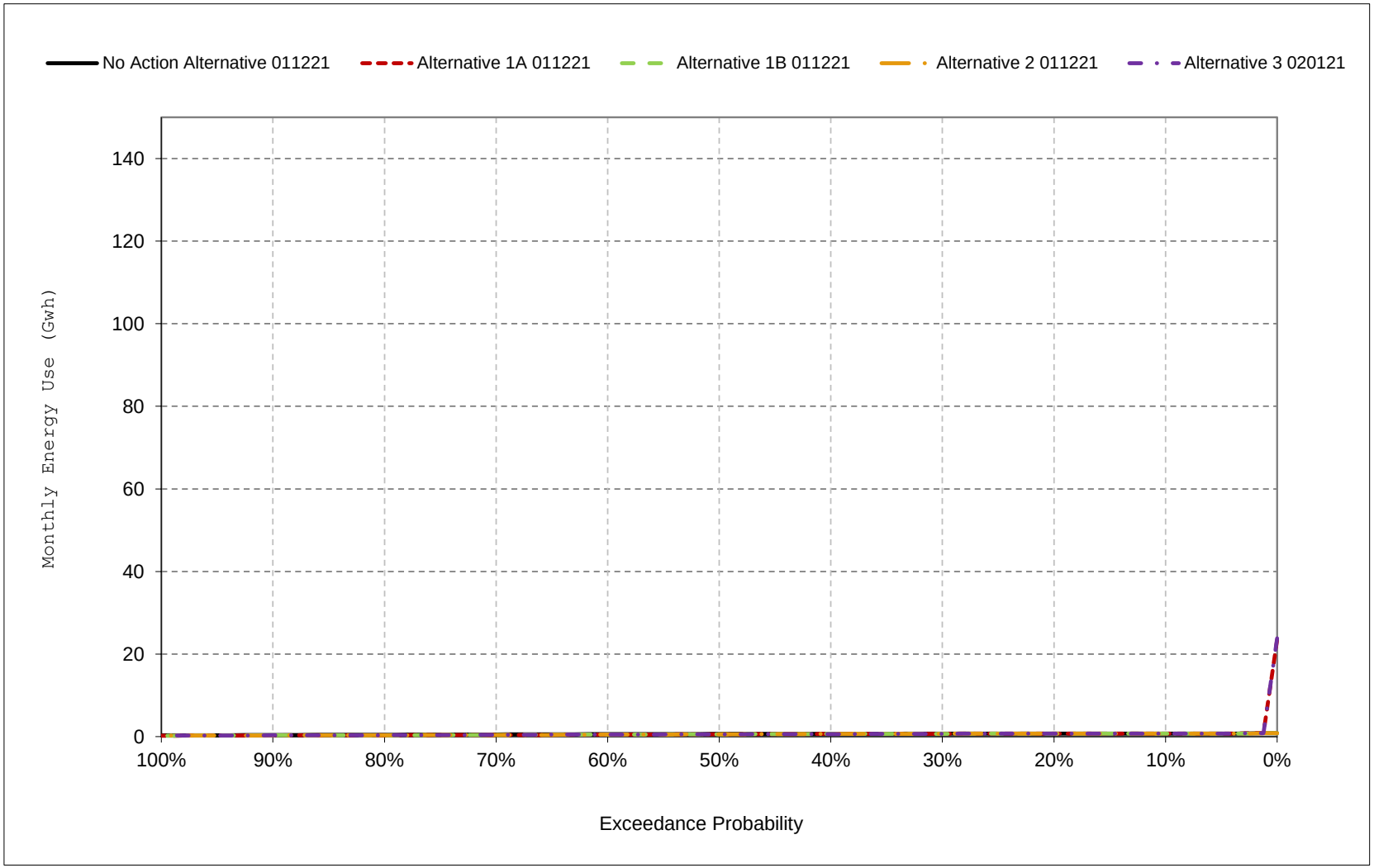
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 13-17. Sites Project Facilities Total Energy Use, August



*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 13-18. Sites Project Facilities Total Energy Use, September



*All scenarios are simulated at current climate and 0 cm sea level rise.

Table 14-1a. Sites Project Facilities Net Generation, No Action Alternative 011221, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	0	0	0	0	0	-2	-2	-2	-2	0
20%	0	0	0	0	0	0	0	-2	-2	-2	-2	0
30%	0	0	0	0	0	0	0	-2	-2	-3	-2	-1
40%	-1	0	0	0	0	0	0	-2	-3	-3	-2	-1
50%	-1	-1	0	0	0	0	0	-2	-3	-3	-2	-1
60%	-1	-1	0	0	0	0	-1	-2	-3	-3	-2	-1
70%	-1	-1	0	0	0	0	-1	-2	-3	-3	-3	-1
80%	-1	-1	0	0	0	0	-1	-2	-3	-3	-3	-1
90%	-1	-1	0	0	0	0	-1	-3	-3	-3	-3	-1
Long Term												
Full Simulation Period[a]	-1	-1	0	0	0	0	-1	-2	-3	-3	-2	-1
Water Year Types[b,c]												
Wet (32%)	-1	-1	0	0	0	0	0	-2	-3	-3	-3	-1
Above Normal (15%)	-1	-1	0	0	0	0	-1	-2	-3	-3	-2	-1
Below Normal (17%)	-1	-1	0	0	0	0	-1	-2	-3	-3	-2	-1
Dry (22%)	-1	0	0	0	0	0	-1	-2	-3	-3	-2	-1
Critical (15%)	0	0	0	0	0	0	0	-2	-2	-2	-1	0

Table 14-1b. Sites Project Facilities Net Generation, Alternative 1A 011221, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	13	6	2	0	0	0	2	2	17	28	22	16
20%	7	3	0	0	0	0	1	0	12	19	15	11
30%	7	0	0	0	0	0	0	-1	1	7	9	7
40%	6	0	0	-3	-5	0	0	-2	-1	1	5	7
50%	4	0	0	-8	-10	-1	0	-2	-2	-1	5	6
60%	3	0	0	-11	-13	-33	0	-2	-2	-2	4	5
70%	0	-1	0	-18	-22	-40	-1	-2	-2	-2	4	3
80%	0	-1	0	-38	-36	-48	-1	-3	-3	-2	-1	0
90%	-1	-9	-13	-51	-54	-68	-34	-5	-7	-3	-2	0
Long Term												
Full Simulation Period[a]	4	-1	-4	-17	-18	-24	-7	-2	1	6	7	6
Water Year Types[b,c]												
Wet (32%)	0	-7	-1	-27	-28	-24	-20	-7	-6	-4	1	5
Above Normal (15%)	4	-4	-2	-31	-24	-45	-7	-4	-6	-1	3	6
Below Normal (17%)	6	2	-7	-10	-17	-25	-4	-2	-2	4	8	5
Dry (22%)	9	4	-8	-6	-10	-22	2	3	15	20	16	12
Critical (15%)	3	1	-6	-4	-2	-5	3	6	7	13	8	4

Table 14-1c. Sites Project Facilities Net Generation, Alternative 1A 011221 minus No Action Alternative 011221, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	14	6	2	0	0	0	3	4	19	30	24	17
20%	8	3	0	0	0	0	1	2	14	21	16	11
30%	7	1	0	0	0	0	1	1	4	10	11	8
40%	7	0	0	-2	-5	0	0	0	2	4	8	7
50%	5	0	0	-8	-10	-1	0	0	1	2	8	7
60%	3	0	0	-11	-13	-33	0	0	1	1	7	6
70%	1	0	0	-17	-22	-40	0	0	1	1	6	4
80%	0	0	0	-38	-36	-48	0	0	0	1	1	1
90%	0	-8	-13	-51	-54	-68	-33	-2	-4	1	1	0
Long Term												
Full Simulation Period[a]	4	-1	-4	-17	-18	-24	-7	1	4	8	9	7
Water Year Types[b,c]												
Wet (32%)	0	-7	-1	-27	-28	-24	-19	-5	-4	-1	4	5
Above Normal (15%)	5	-3	-2	-31	-24	-45	-6	-2	-3	2	6	6
Below Normal (17%)	6	2	-7	-10	-17	-25	-4	1	1	7	10	6
Dry (22%)	9	4	-7	-6	-10	-22	2	5	17	23	18	13
Critical (15%)	3	2	-6	-4	-2	-5	4	8	9	15	9	4

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 14-2a. Sites Project Facilities Net Generation, No Action Alternative 011221, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	0	0	0	0	0	-2	-2	-2	-2	0
20%	0	0	0	0	0	0	0	-2	-2	-2	-2	0
30%	0	0	0	0	0	0	0	-2	-2	-3	-2	-1
40%	-1	0	0	0	0	0	0	-2	-3	-3	-2	-1
50%	-1	-1	0	0	0	0	0	-2	-3	-3	-2	-1
60%	-1	-1	0	0	0	0	-1	-2	-3	-3	-2	-1
70%	-1	-1	0	0	0	0	-1	-2	-3	-3	-3	-1
80%	-1	-1	0	0	0	0	-1	-2	-3	-3	-3	-1
90%	-1	-1	0	0	0	0	-1	-3	-3	-3	-3	-1
Long Term												
Full Simulation Period[a]	-1	-1	0	0	0	0	-1	-2	-3	-3	-2	-1
Water Year Types[b,c]												
Wet (32%)	-1	-1	0	0	0	0	0	-2	-3	-3	-3	-1
Above Normal (15%)	-1	-1	0	0	0	0	-1	-2	-3	-3	-2	-1
Below Normal (17%)	-1	-1	0	0	0	0	-1	-2	-3	-3	-2	-1
Dry (22%)	-1	0	0	0	0	0	-1	-2	-3	-3	-2	-1
Critical (15%)	0	0	0	0	0	0	0	-2	-2	-2	-1	0

Table 14-2b. Sites Project Facilities Net Generation, Alternative 1B 011221, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	13	6	3	0	0	0	4	12	20	25	21	14
20%	7	4	0	0	0	0	1	2	16	16	13	9
30%	6	2	0	0	0	0	0	1	9	8	8	7
40%	5	0	0	-5	-5	0	0	-1	2	2	5	6
50%	3	0	0	-9	-10	-3	0	-2	-1	-1	5	6
60%	2	0	0	-13	-14	-34	0	-2	-2	-2	4	3
70%	0	-1	0	-21	-31	-40	-1	-2	-2	-2	3	1
80%	0	-1	0	-39	-41	-47	-1	-3	-3	-3	-1	0
90%	-1	-8	-16	-58	-56	-68	-58	-4	-8	-3	-2	0
Long Term												
Full Simulation Period[a]	3	-1	-4	-18	-19	-24	-7	-1	3	6	6	6
Water Year Types[b,c]												
Wet (32%)	0	-6	1	-30	-32	-25	-23	-9	-7	-4	1	5
Above Normal (15%)	2	-5	-4	-30	-27	-44	-7	-4	5	3	3	4
Below Normal (17%)	5	2	-7	-10	-18	-24	-4	3	1	4	6	5
Dry (22%)	7	4	-7	-6	-9	-23	4	6	14	18	16	10
Critical (15%)	2	1	-5	-4	-2	-5	3	7	8	13	7	3

Table 14-2c. Sites Project Facilities Net Generation, Alternative 1B 011221 minus No Action Alternative 011221, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	13	7	4	0	0	0	4	13	22	27	22	15
20%	7	4	1	0	0	0	1	4	18	18	15	9
30%	7	2	0	0	0	0	1	3	11	11	10	7
40%	5	1	0	-5	-5	0	1	1	5	5	8	7
50%	4	0	0	-9	-10	-3	0	0	1	2	7	6
60%	2	0	0	-13	-14	-34	0	0	1	1	7	4
70%	1	0	0	-21	-31	-40	0	0	1	1	6	1
80%	0	0	0	-39	-41	-47	0	0	0	1	1	1
90%	0	-7	-16	-58	-56	-68	-58	-2	-5	1	1	0
Long Term												
Full Simulation Period[a]	3	-1	-4	-17	-19	-24	-7	1	5	8	9	6
Water Year Types[b,c]												
Wet (32%)	0	-5	1	-30	-32	-25	-22	-7	-4	-1	4	6
Above Normal (15%)	2	-4	-3	-30	-27	-44	-6	-2	8	6	6	5
Below Normal (17%)	6	2	-6	-10	-18	-24	-3	5	4	7	9	5
Dry (22%)	7	4	-7	-6	-9	-23	5	8	16	20	18	11
Critical (15%)	2	2	-5	-3	-2	-5	4	8	10	15	8	3

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 14-3a. Sites Project Facilities Net Generation, No Action Alternative 011221, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	0	0	0	0	0	-2	-2	-2	-2	0
20%	0	0	0	0	0	0	0	-2	-2	-2	-2	0
30%	0	0	0	0	0	0	0	-2	-2	-3	-2	-1
40%	-1	0	0	0	0	0	0	-2	-3	-3	-2	-1
50%	-1	-1	0	0	0	0	0	-2	-3	-3	-2	-1
60%	-1	-1	0	0	0	0	-1	-2	-3	-3	-2	-1
70%	-1	-1	0	0	0	0	-1	-2	-3	-3	-3	-1
80%	-1	-1	0	0	0	0	-1	-2	-3	-3	-3	-1
90%	-1	-1	0	0	0	0	-1	-3	-3	-3	-3	-1
Long Term												
Full Simulation Period[a]	-1	-1	0	0	0	0	-1	-2	-3	-3	-2	-1
Water Year Types[b,c]												
Wet (32%)	-1	-1	0	0	0	0	0	-2	-3	-3	-3	-1
Above Normal (15%)	-1	-1	0	0	0	0	-1	-2	-3	-3	-2	-1
Below Normal (17%)	-1	-1	0	0	0	0	-1	-2	-3	-3	-2	-1
Dry (22%)	-1	0	0	0	0	0	-1	-2	-3	-3	-2	-1
Critical (15%)	0	0	0	0	0	0	0	-2	-2	-2	-1	0

Table 14-3b. Sites Project Facilities Net Generation, Alternative 2 011221, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	12	5	2	0	0	0	2	2	16	25	20	14
20%	7	1	0	0	0	0	1	0	8	11	13	7
30%	6	0	0	0	0	0	0	-1	1	5	7	6
40%	6	0	0	-2	-4	0	0	-2	-1	0	5	6
50%	4	0	0	-8	-9	-1	0	-2	-2	-1	5	6
60%	3	-1	0	-11	-12	-26	0	-2	-2	-2	4	5
70%	0	-1	0	-17	-19	-37	-1	-2	-2	-2	3	3
80%	0	-1	0	-33	-34	-45	-1	-3	-3	-3	-1	0
90%	-1	-11	-13	-49	-53	-53	-2	-4	-6	-3	-2	0
Long Term												
Full Simulation Period[a]	3	-2	-4	-16	-17	-21	-6	-2	0	5	6	6
Water Year Types[b,c]												
Wet (32%)	-1	-7	-1	-25	-25	-18	-17	-7	-6	-4	2	6
Above Normal (15%)	4	-3	-2	-30	-23	-43	-7	-4	-6	-1	3	5
Below Normal (17%)	6	2	-7	-10	-17	-24	-4	-2	-2	4	7	6
Dry (22%)	7	3	-7	-6	-9	-19	2	3	13	18	14	9
Critical (15%)	2	1	-6	-4	-2	-5	3	6	5	10	6	3

Table 14-3c. Sites Project Facilities Net Generation, Alternative 2 011221 minus No Action Alternative 011221, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	12	6	2	0	0	0	2	4	18	27	22	15
20%	7	2	0	0	0	0	1	2	10	14	15	7
30%	6	0	0	0	0	0	1	1	3	8	9	7
40%	6	0	0	-2	-4	0	1	0	2	3	7	7
50%	4	0	0	-8	-9	-1	0	0	1	2	7	7
60%	3	0	0	-11	-12	-26	0	0	1	1	6	6
70%	1	0	0	-17	-19	-36	0	0	1	1	6	3
80%	1	0	0	-33	-34	-45	0	0	0	1	1	1
90%	0	-10	-13	-49	-53	-53	-1	-2	-3	1	1	1
Long Term												
Full Simulation Period[a]	4	-1	-4	-16	-17	-21	-6	0	3	7	8	6
Water Year Types[b,c]												
Wet (32%)	0	-6	0	-25	-25	-18	-16	-5	-4	-1	4	6
Above Normal (15%)	5	-3	-2	-30	-23	-43	-6	-2	-3	2	6	6
Below Normal (17%)	6	2	-7	-10	-17	-23	-4	1	1	7	10	6
Dry (22%)	7	3	-7	-5	-9	-19	2	5	15	21	16	9
Critical (15%)	3	2	-5	-4	-2	-5	4	8	7	12	7	3

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 14-4a. Sites Project Facilities Net Generation, No Action Alternative 011221, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	0	0	0	0	0	-2	-2	-2	-2	0
20%	0	0	0	0	0	0	0	-2	-2	-2	-2	0
30%	0	0	0	0	0	0	0	-2	-2	-3	-2	-1
40%	-1	0	0	0	0	0	0	-2	-3	-3	-2	-1
50%	-1	-1	0	0	0	0	0	-2	-3	-3	-2	-1
60%	-1	-1	0	0	0	0	-1	-2	-3	-3	-2	-1
70%	-1	-1	0	0	0	0	-1	-2	-3	-3	-3	-1
80%	-1	-1	0	0	0	0	-1	-2	-3	-3	-3	-1
90%	-1	-1	0	0	0	0	-1	-3	-3	-3	-3	-1
Long Term												
Full Simulation Period[a]	-1	-1	0	0	0	0	-1	-2	-3	-3	-2	-1
Water Year Types[b,c]												
Wet (32%)	-1	-1	0	0	0	0	0	-2	-3	-3	-3	-1
Above Normal (15%)	-1	-1	0	0	0	0	-1	-2	-3	-3	-2	-1
Below Normal (17%)	-1	-1	0	0	0	0	-1	-2	-3	-3	-2	-1
Dry (22%)	-1	0	0	0	0	0	-1	-2	-3	-3	-2	-1
Critical (15%)	0	0	0	0	0	0	0	-2	-2	-2	-1	0

Table 14-4b. Sites Project Facilities Net Generation, Alternative 3 020121, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	12	4	3	0	0	0	4	21	28	31	26	12
20%	7	3	0	0	0	0	1	6	21	25	13	7
30%	6	0	0	0	0	0	0	1	13	21	8	6
40%	4	0	0	-5	-5	-1	0	-1	6	10	5	6
50%	3	0	0	-9	-10	-18	0	-2	-2	2	4	4
60%	1	0	0	-13	-13	-36	0	-2	-2	-2	4	3
70%	0	-1	0	-20	-33	-42	-1	-2	-2	-2	-1	0
80%	-1	-2	-5	-37	-42	-49	-1	-3	-3	-2	-2	0
90%	-1	-12	-14	-56	-57	-71	-61	-4	-7	-3	-2	0
Long Term												
Full Simulation Period[a]	2	-2	-5	-17	-20	-26	-9	0	5	9	6	5
Water Year Types[b,c]												
Wet (32%)	-1	-6	1	-30	-31	-33	-28	-12	-8	-4	1	4
Above Normal (15%)	2	-6	-9	-30	-30	-45	-7	-4	9	23	15	6
Below Normal (17%)	5	1	-7	-10	-20	-24	-4	5	12	12	6	3
Dry (22%)	5	2	-7	-5	-9	-21	3	9	16	18	11	7
Critical (15%)	1	1	-5	-3	-2	-3	3	7	5	8	3	2

Table 14-4c. Sites Project Facilities Net Generation, Alternative 3 020121 minus No Action Alternative 011221, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	12	5	3	0	0	0	4	22	30	33	28	13
20%	7	4	0	0	0	0	1	7	24	27	15	7
30%	7	1	0	0	0	0	1	3	16	24	10	7
40%	5	0	0	-5	-5	-1	0	1	8	13	8	7
50%	3	0	0	-9	-10	-18	0	0	1	5	7	5
60%	1	0	0	-13	-13	-36	0	0	1	1	6	3
70%	1	0	0	-20	-33	-42	0	0	1	1	1	1
80%	0	-2	-4	-37	-42	-49	0	0	0	1	1	0
90%	-1	-11	-14	-56	-57	-71	-60	-2	-4	1	1	0
Long Term												
Full Simulation Period[a]	3	-2	-4	-17	-20	-26	-9	2	8	12	9	5
Water Year Types[b,c]												
Wet (32%)	-1	-5	1	-30	-31	-33	-28	-10	-5	-1	4	5
Above Normal (15%)	3	-5	-8	-30	-30	-45	-6	-2	12	26	17	6
Below Normal (17%)	5	1	-7	-9	-20	-23	-3	7	14	15	9	4
Dry (22%)	6	2	-7	-5	-9	-21	4	11	18	21	13	8
Critical (15%)	2	2	-5	-3	-2	-3	3	9	7	10	4	2

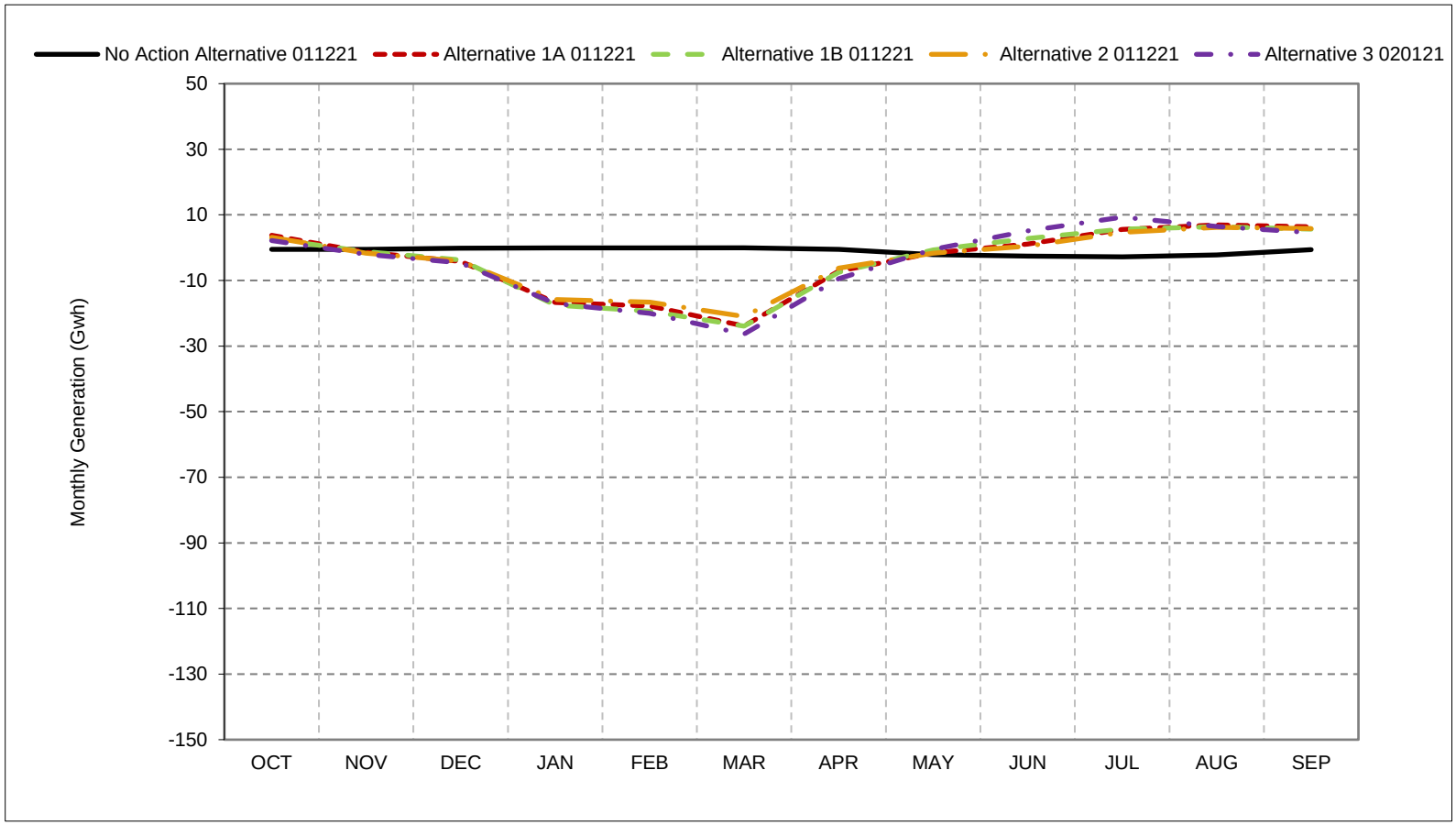
a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 14-1. Sites Project Facilities Net Generation, Long-Term Average Generation

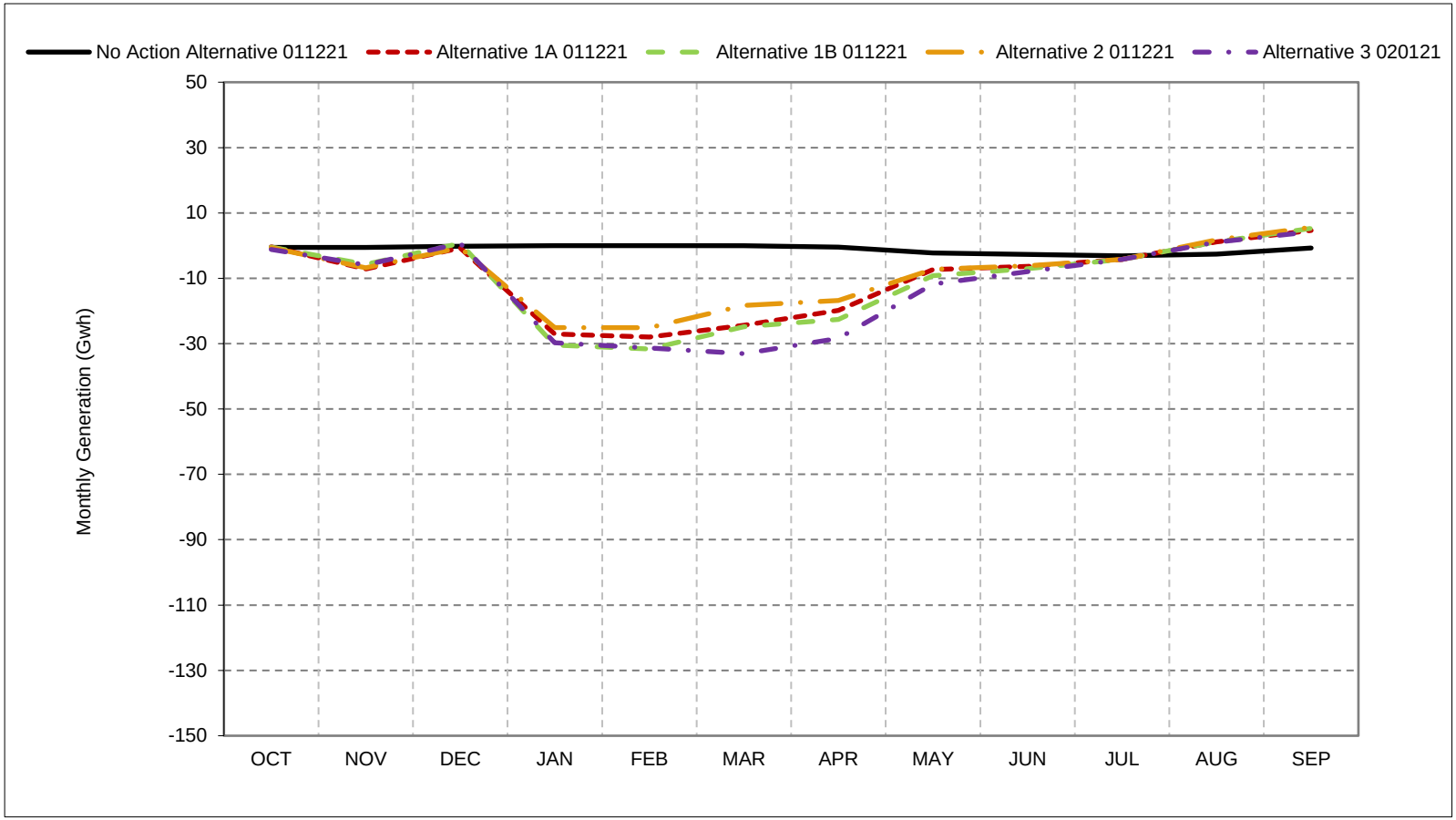


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 14-2. Sites Project Facilities Net Generation, Wet Year Average Generation

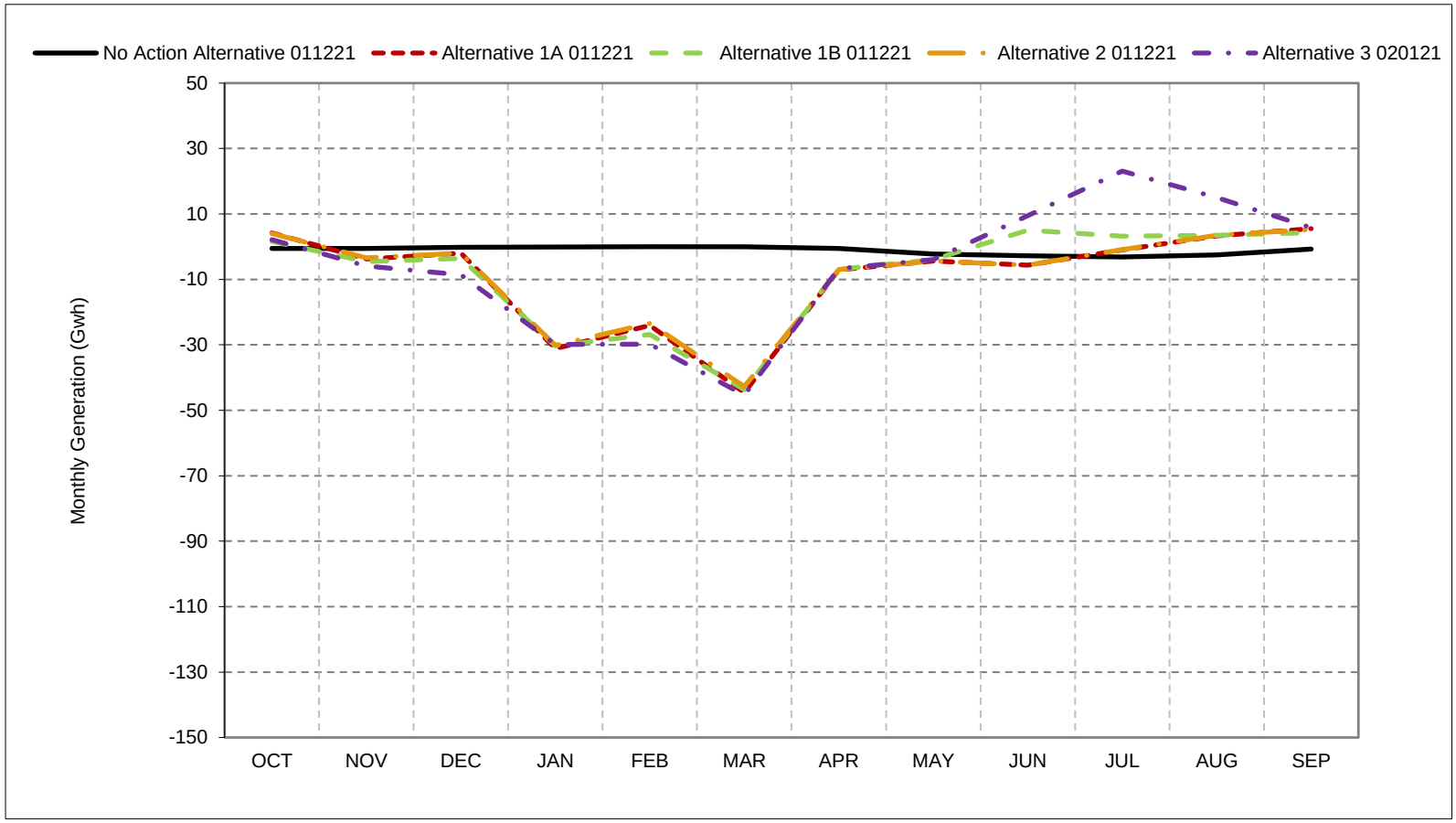


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 14-3. Sites Project Facilities Net Generation, Above Normal Year Average Generation

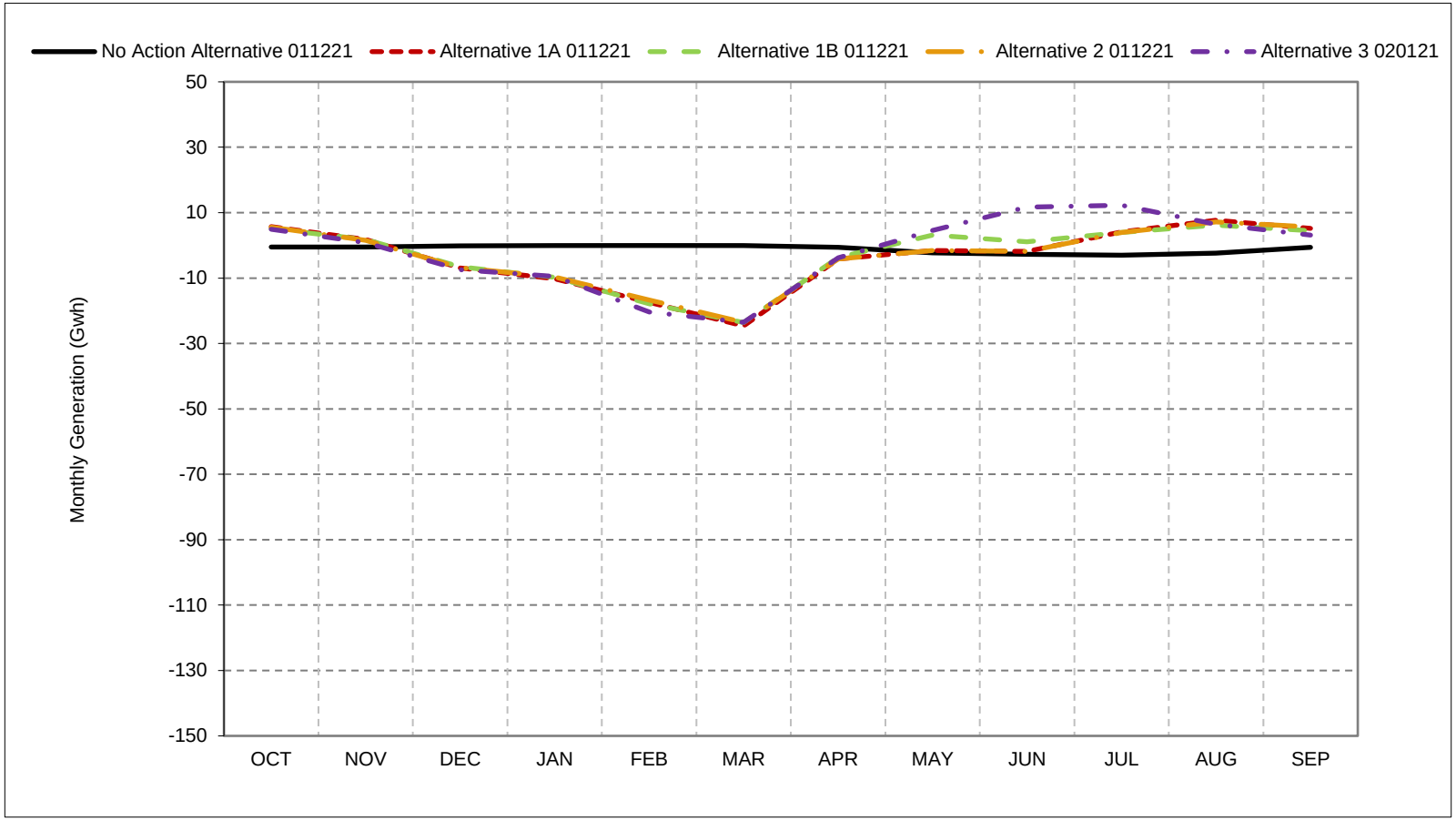


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 14-4. Sites Project Facilities Net Generation, Below Normal Year Average Generation

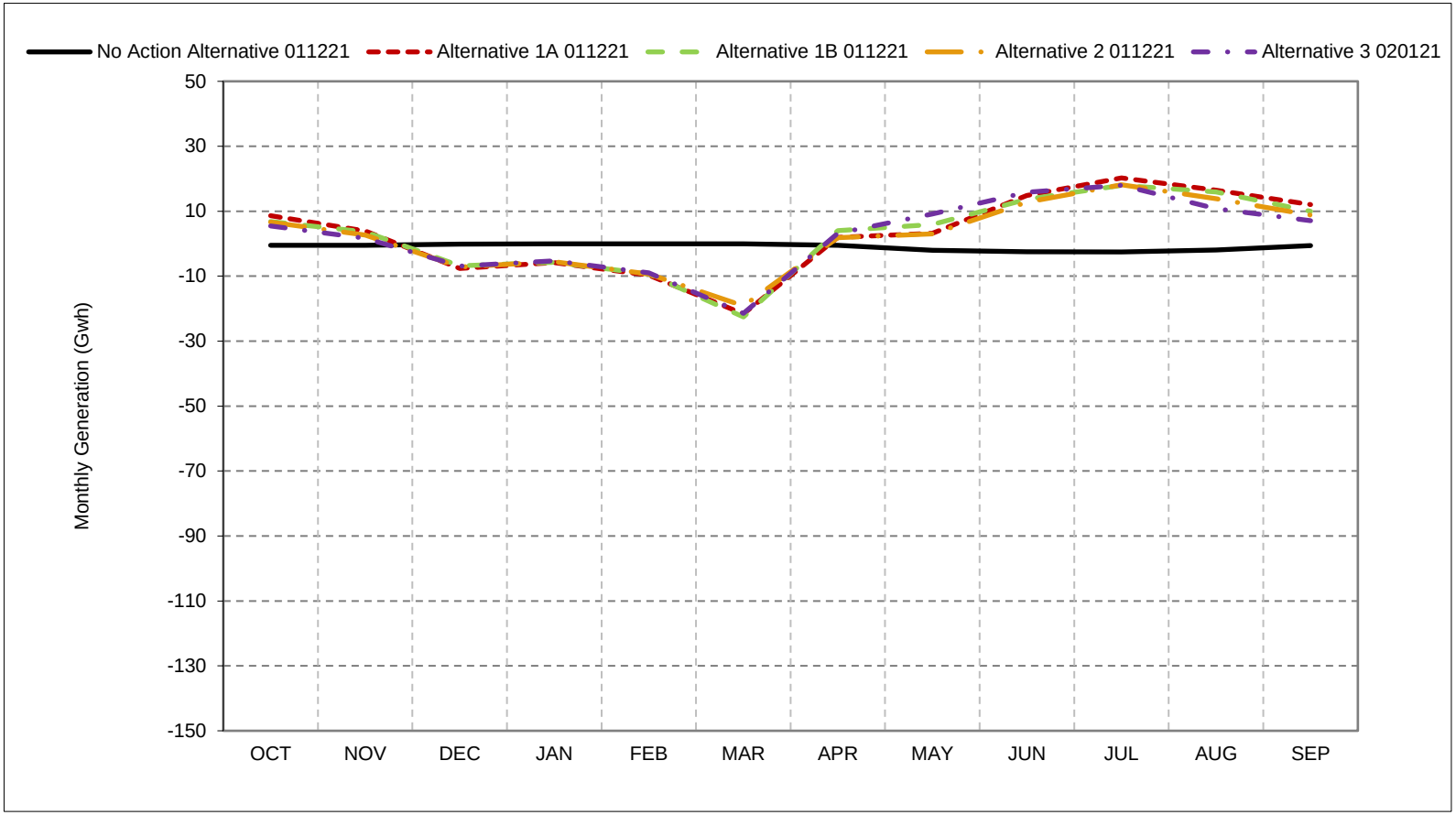


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 14-5. Sites Project Facilities Net Generation, Dry Year Average Generation

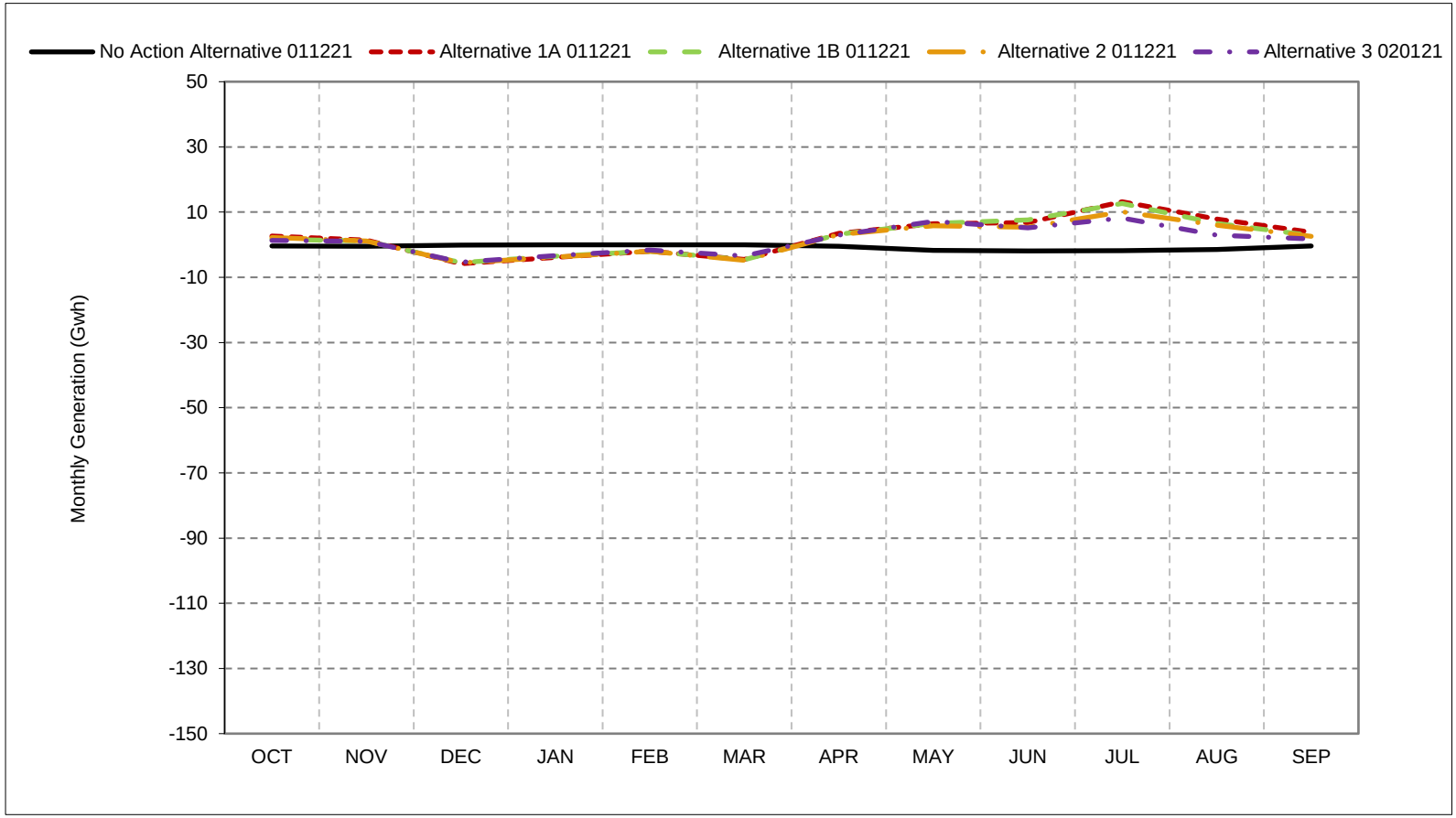


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 14-6. Sites Project Facilities Net Generation, Critical Year Average Generation

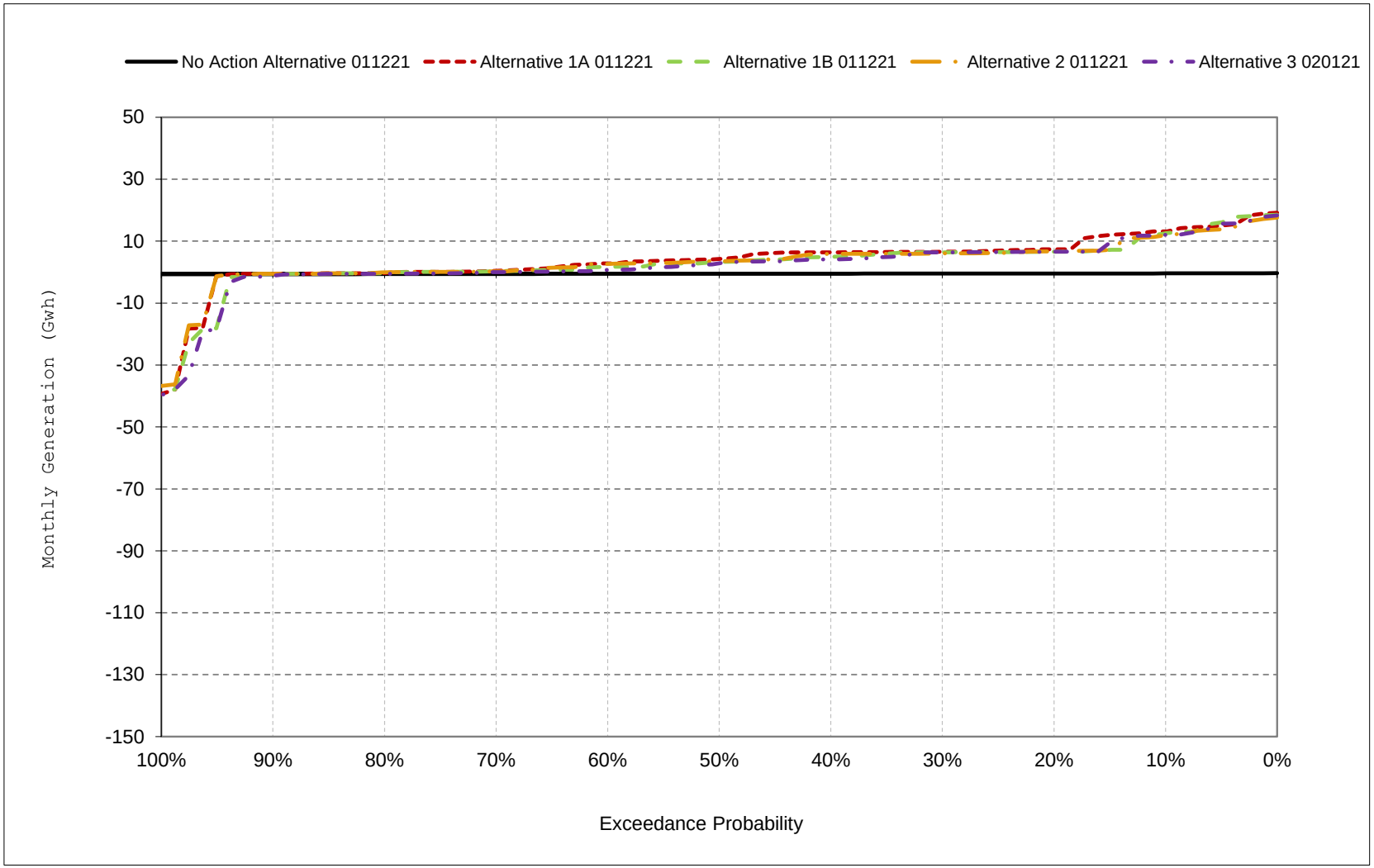


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

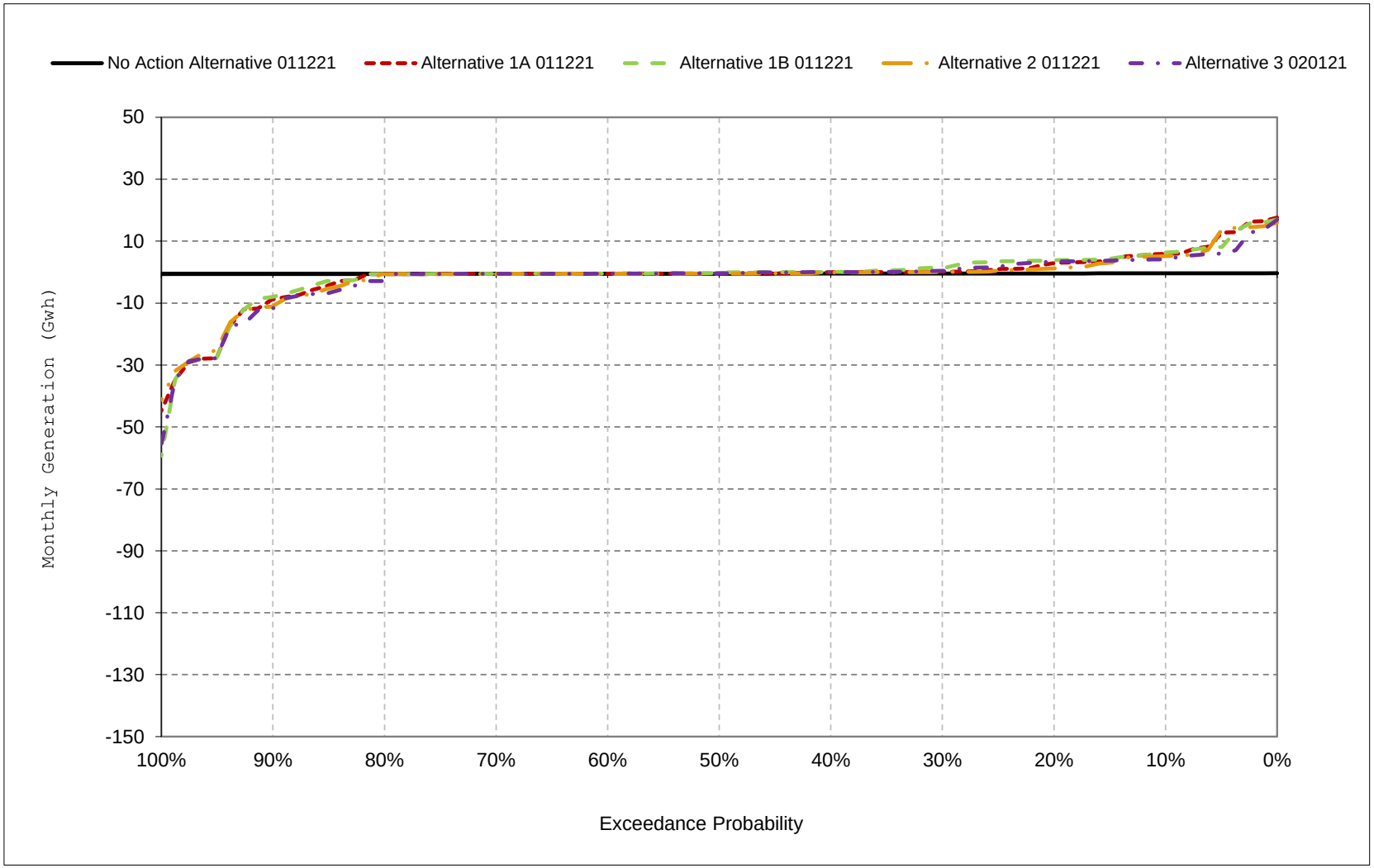
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 14-7. Sites Project Facilities Net Generation, October



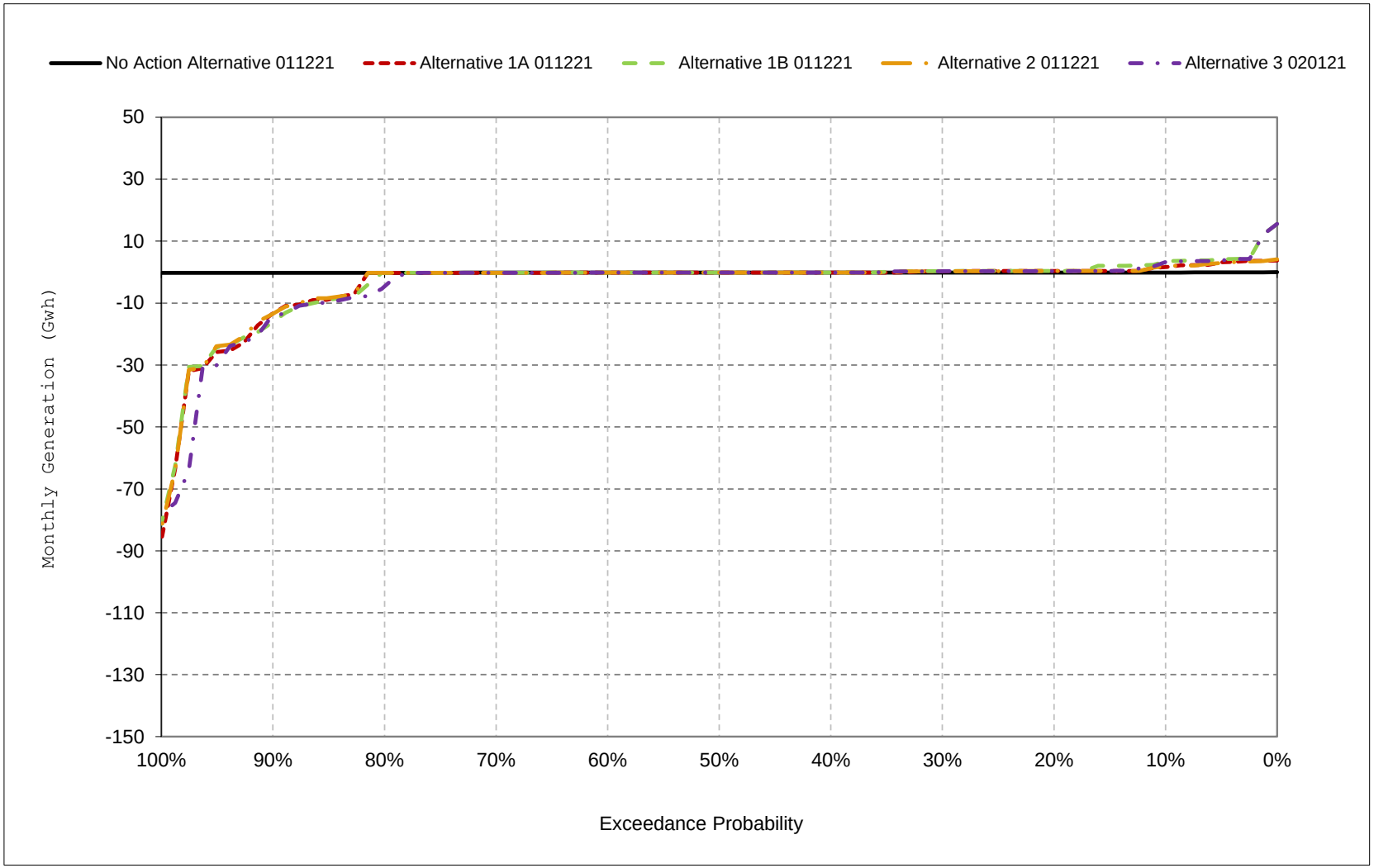
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 14-8. Sites Project Facilities Net Generation, November



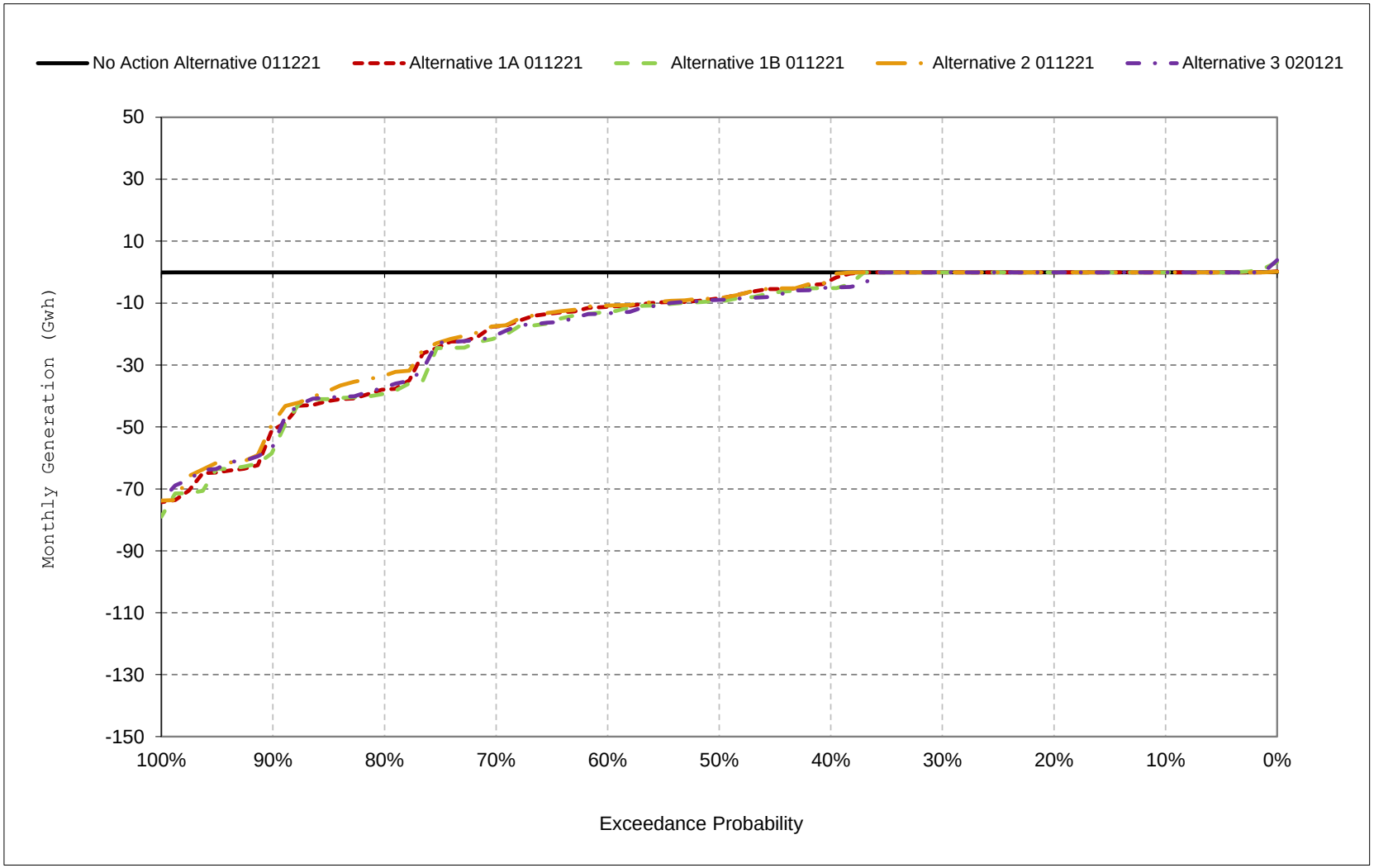
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 14-9. Sites Project Facilities Net Generation, December



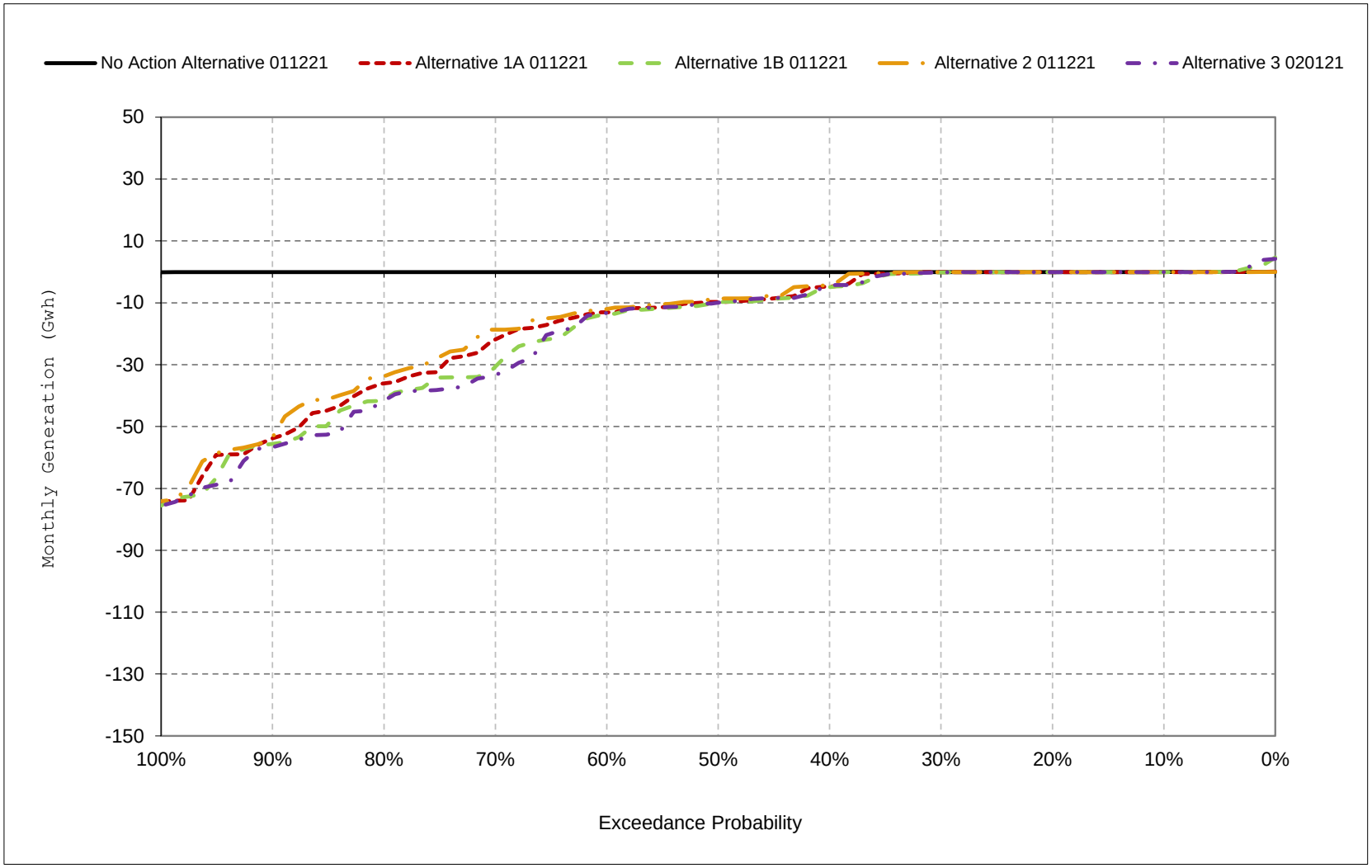
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 14-10. Sites Project Facilities Net Generation, January



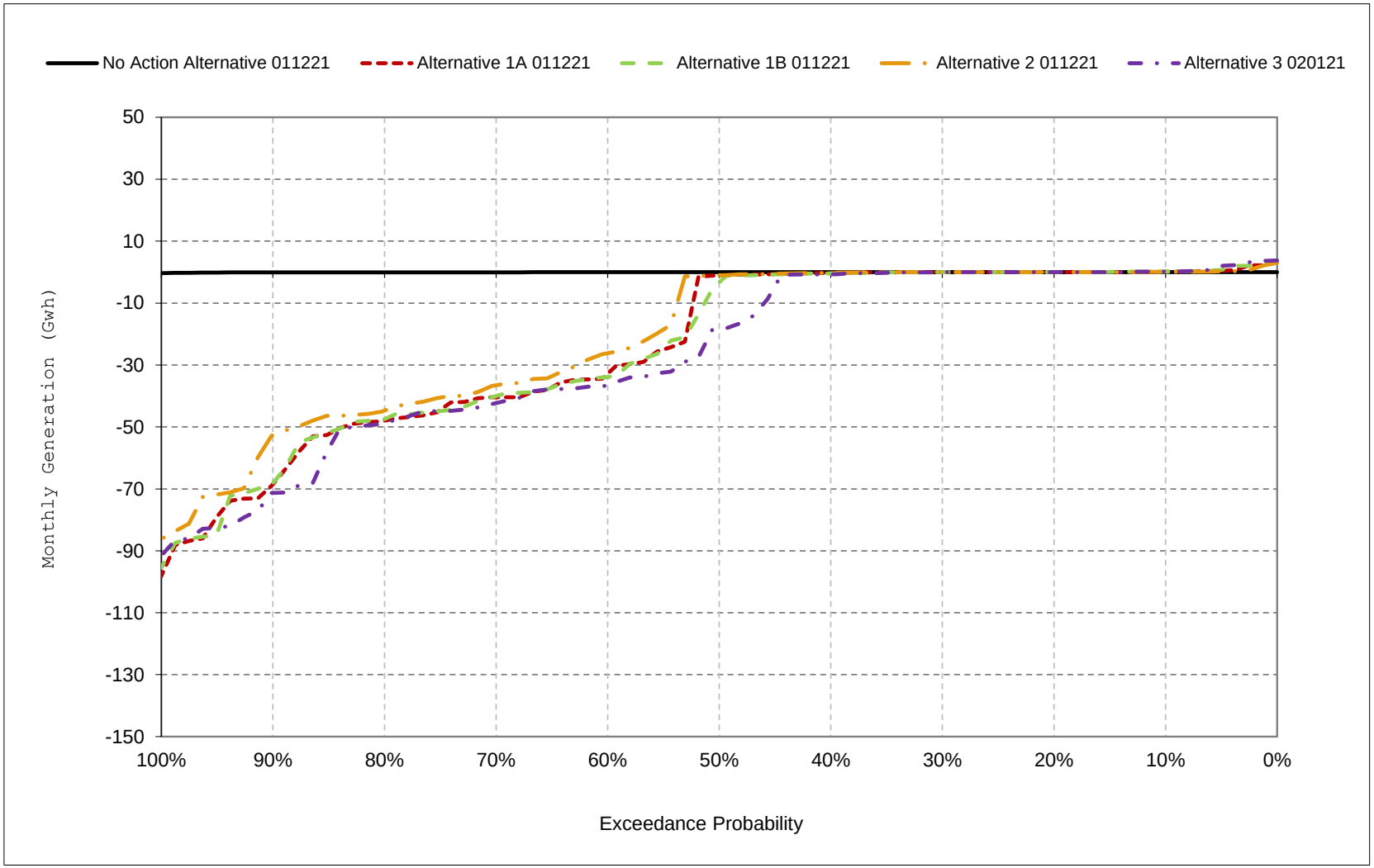
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 14-11. Sites Project Facilities Net Generation, February



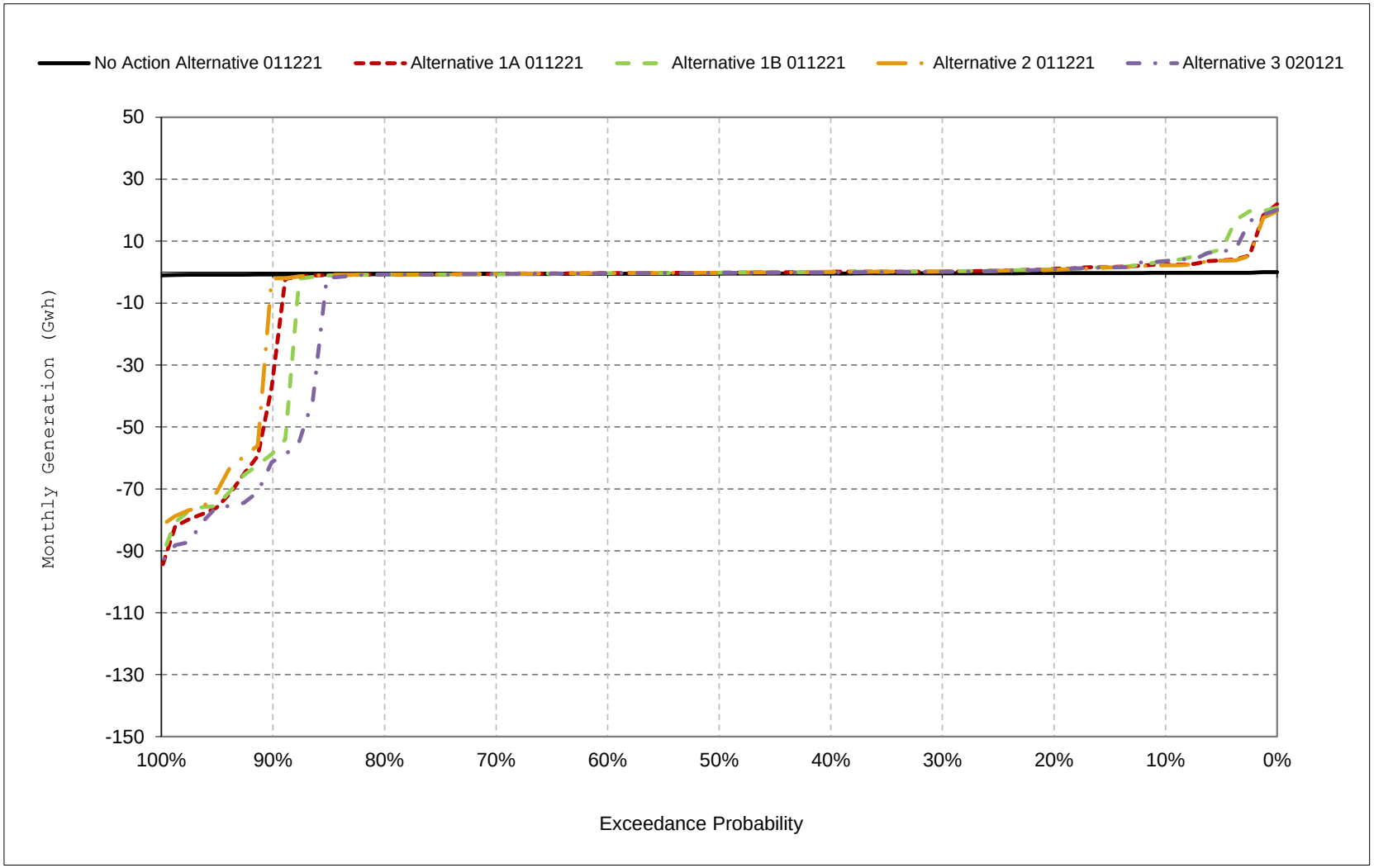
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 14-12. Sites Project Facilities Net Generation, March



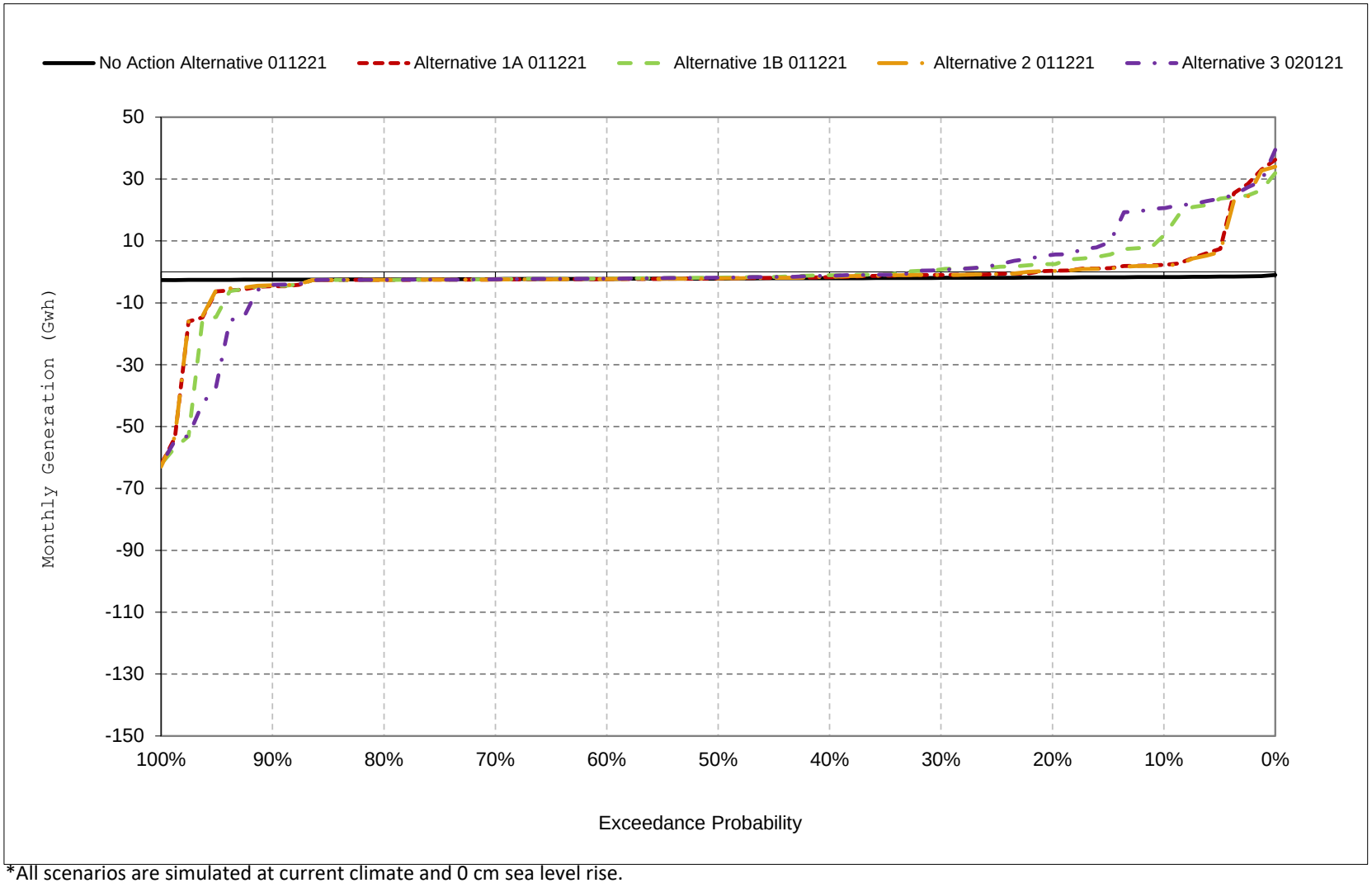
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 14-13. Sites Project Facilities Net Generation, April



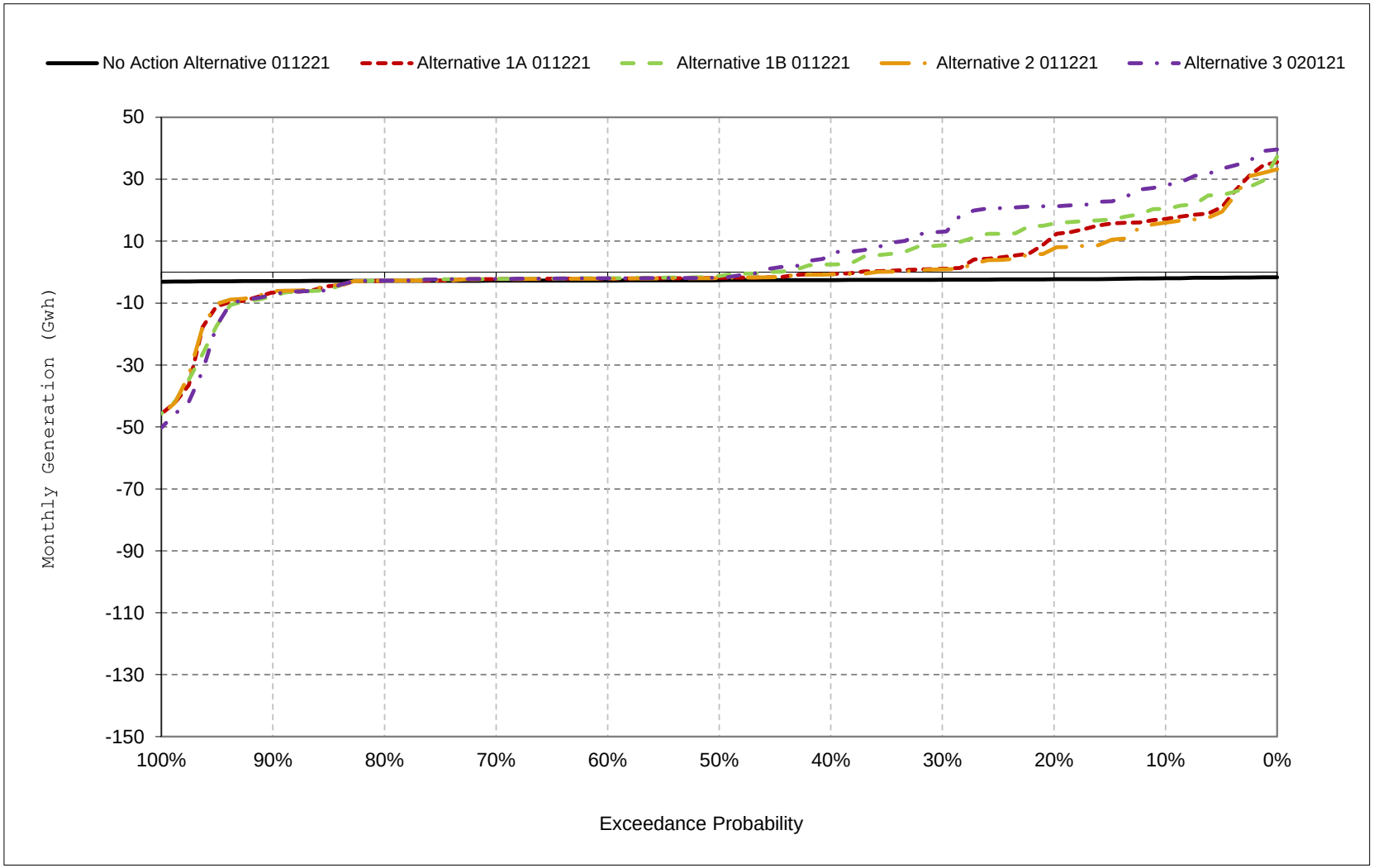
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 14-14. Sites Project Facilities Net Generation, May



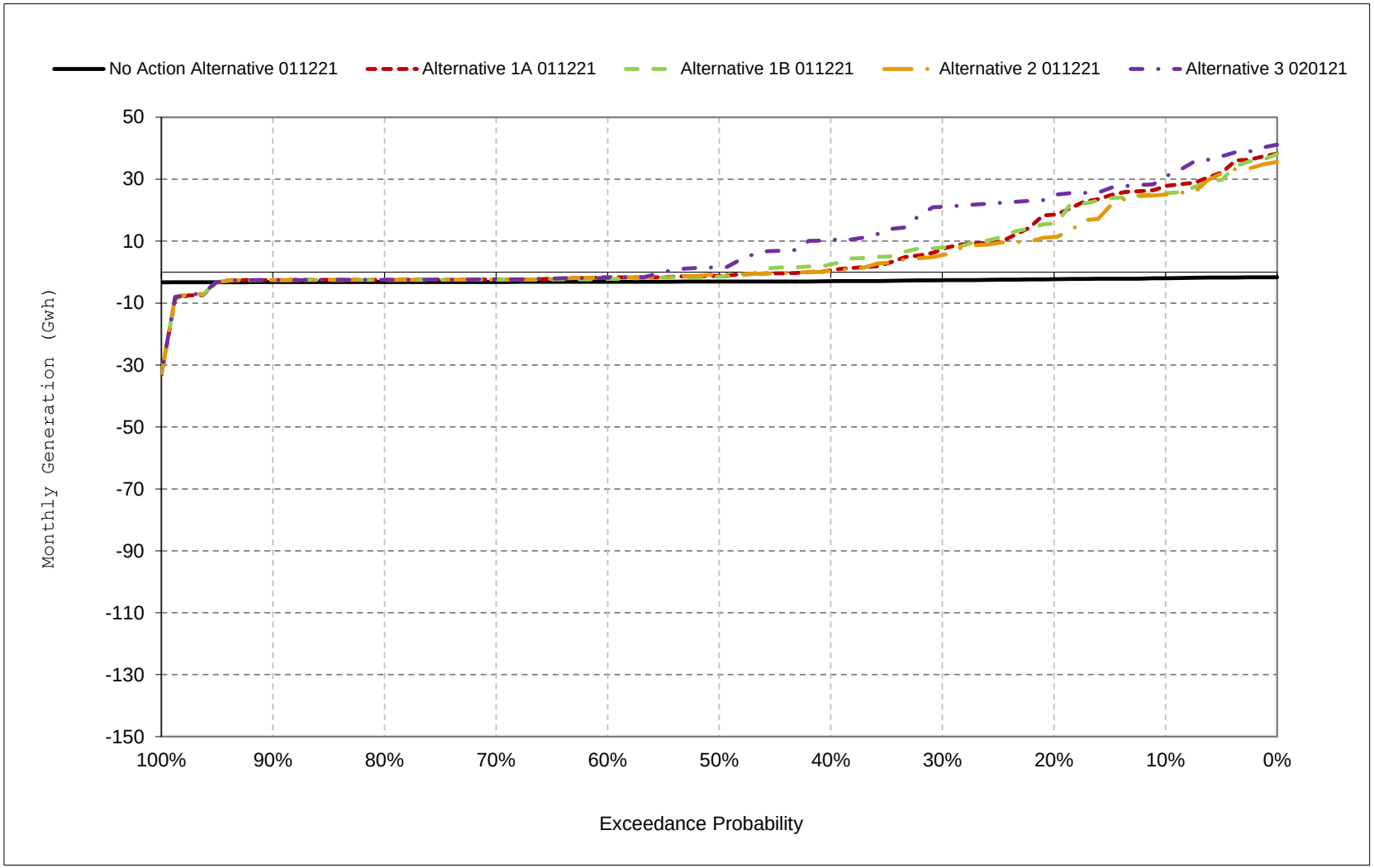
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 14-15. Sites Project Facilities Net Generation, June



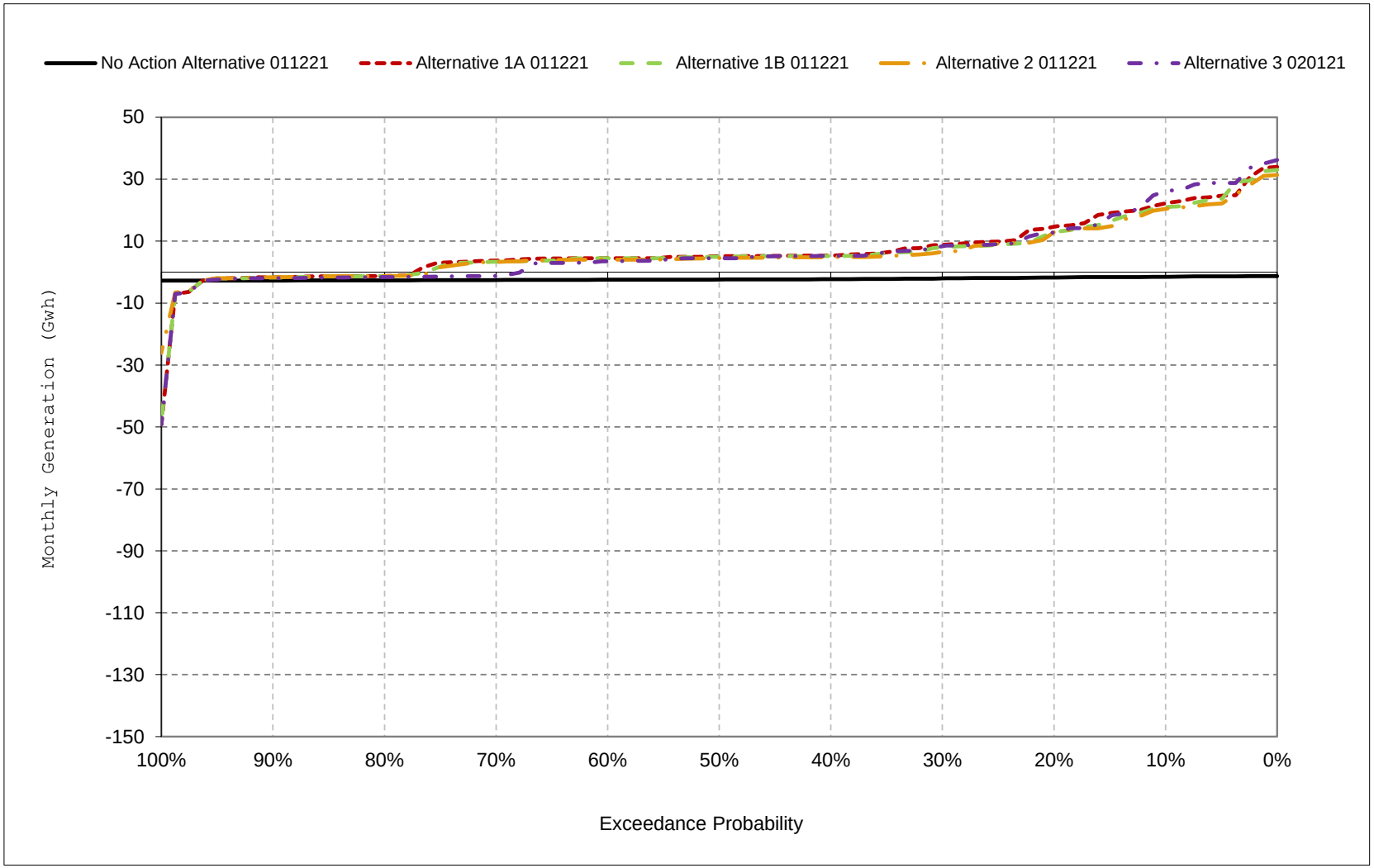
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 14-16. Sites Project Facilities Net Generation, July



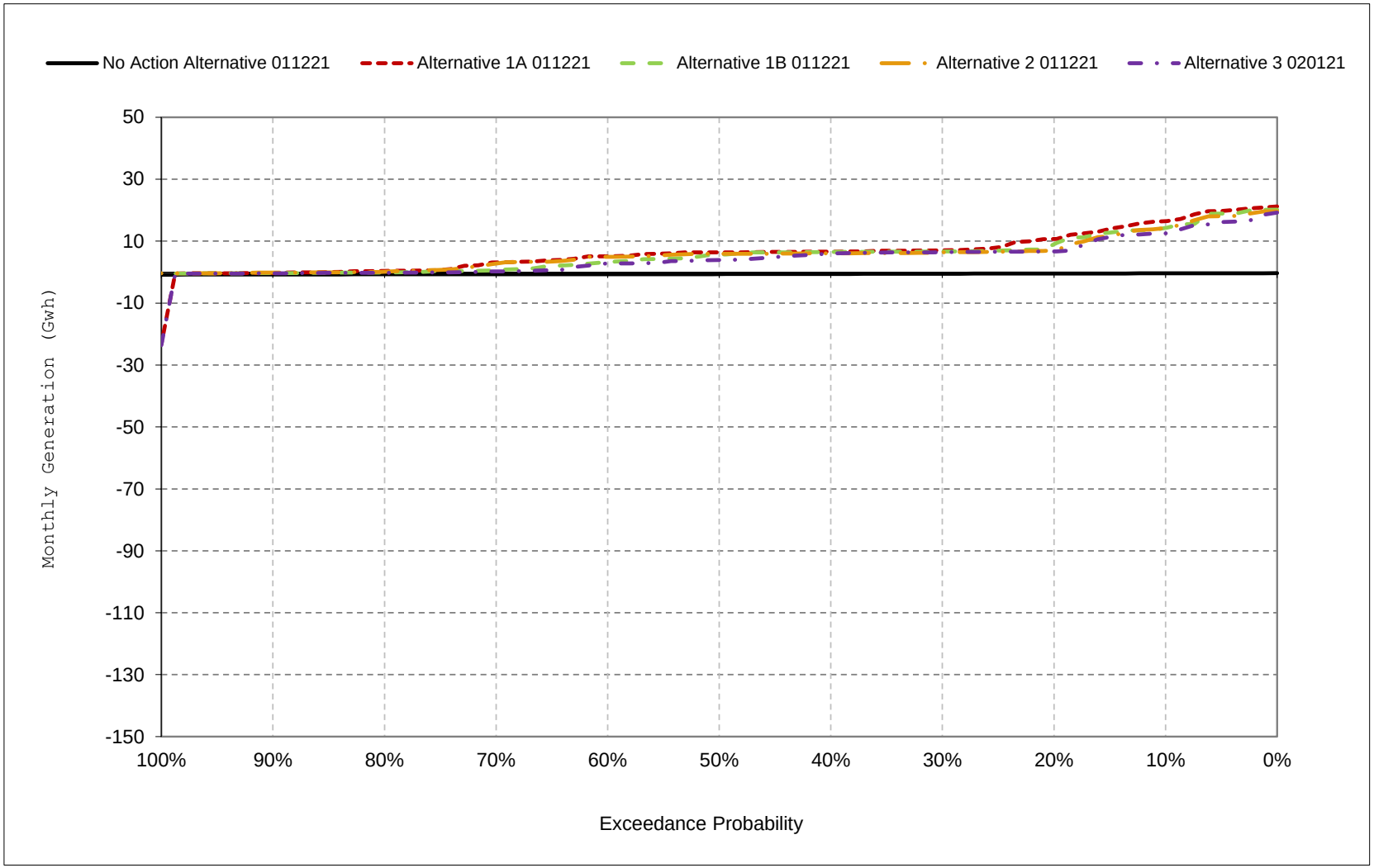
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 14-17. Sites Project Facilities Net Generation, August



*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 14-18. Sites Project Facilities Net Generation, September



*All scenarios are simulated at current climate and 0 cm sea level rise.

Table 15-1a. Sites Project Facilities Net Revenue, No Action Alternative 011221, Monthly Revenue (1000)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-21	-21	-7	-3	-2	-1	-13	-80	-98	-108	-89	-21
20%	-22	-22	-7	-3	-3	-1	-16	-86	-114	-127	-105	-26
30%	-24	-23	-7	-3	-3	-1	-19	-92	-120	-145	-120	-30
40%	-25	-25	-8	-3	-3	-1	-21	-98	-126	-163	-135	-34
50%	-27	-26	-8	-3	-3	-1	-25	-104	-129	-169	-143	-36
60%	-28	-27	-9	-3	-3	-1	-27	-107	-133	-172	-146	-38
70%	-30	-29	-10	-3	-3	-3	-31	-111	-135	-175	-151	-40
80%	-32	-30	-11	-4	-3	-4	-35	-115	-139	-177	-156	-40
90%	-33	-31	-12	-6	-3	-5	-39	-120	-141	-178	-161	-41
Long Term												
Full Simulation Period[a]	-27	-26	-9	-4	-3	-2	-25	-101	-125	-155	-132	-34
Water Year Types[b,c]												
Wet (32%)	-29	-27	-10	-3	-3	-2	-22	-106	-130	-174	-155	-39
Above Normal (15%)	-27	-26	-9	-3	-2	-1	-29	-106	-136	-174	-147	-38
Below Normal (17%)	-27	-27	-8	-4	-3	-3	-29	-107	-133	-167	-139	-33
Dry (22%)	-27	-26	-9	-4	-3	-2	-26	-97	-124	-141	-114	-31
Critical (15%)	-22	-24	-7	-4	-3	-4	-23	-82	-94	-104	-87	-24

Table 15-1b. Sites Project Facilities Net Revenue, Alternative 1A 011221, Monthly Revenue (1000)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	669	314	90	-3	-3	8	122	113	863	1,570	1,344	935
20%	376	154	21	-4	-3	-1	54	19	589	1,050	883	608
30%	334	8	18	-6	-4	-1	10	-45	59	421	534	398
40%	326	-2	-7	-148	-261	-13	4	-80	-28	38	325	376
50%	215	-22	-7	-493	-533	-56	-9	-101	-91	-63	309	363
60%	145	-26	-10	-654	-716	-1,677	-16	-111	-103	-93	271	291
70%	23	-29	-11	-1,026	-1,196	-2,066	-29	-118	-109	-132	228	178
80%	-14	-32	-13	-2,219	-1,975	-2,452	-37	-122	-138	-138	-75	22
90%	-27	-455	-734	-2,986	-2,946	-3,493	-1,670	-220	-322	-141	-98	-14
Long Term												
Full Simulation Period[a]	192	-72	-231	-978	-976	-1,220	-351	-73	61	319	421	362
Water Year Types[b,c]												
Wet (32%)	-17	-371	-38	-1,582	-1,532	-1,246	-984	-348	-310	-233	73	265
Above Normal (15%)	215	-195	-107	-1,825	-1,320	-2,277	-351	-209	-276	-53	203	313
Below Normal (17%)	291	98	-379	-596	-955	-1,260	-206	-74	-86	234	465	295
Dry (22%)	440	210	-417	-340	-534	-1,104	100	157	749	1,147	996	685
Critical (15%)	134	76	-320	-227	-112	-233	177	314	342	745	478	217

Table 15-1c. Sites Project Facilities Net Revenue, Alternative 1A 011221 minus No Action Alternative 011221, Monthly Revenue (1000)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	690	335	97	0	-1	9	134	193	962	1,678	1,433	956
20%	398	176	27	-1	0	0	70	105	703	1,177	989	634
30%	358	31	24	-3	-2	-1	29	47	179	566	654	427
40%	351	23	1	-145	-258	-12	25	18	98	201	461	410
50%	242	5	1	-490	-530	-55	16	3	38	106	452	399
60%	173	2	-1	-651	-714	-1,676	11	-3	30	80	417	330
70%	53	0	-1	-1,022	-1,194	-2,063	2	-7	26	43	379	217
80%	18	-2	-2	-2,216	-1,973	-2,448	-2	-7	1	39	82	62
90%	7	-424	-722	-2,981	-2,944	-3,488	-1,631	-100	-181	37	62	27
Long Term												
Full Simulation Period[a]	219	-46	-222	-975	-973	-1,217	-326	27	186	475	553	396
Water Year Types[b,c]												
Wet (32%)	12	-344	-29	-1,579	-1,530	-1,244	-962	-242	-180	-59	228	303
Above Normal (15%)	242	-168	-99	-1,822	-1,318	-2,275	-322	-102	-140	121	350	351
Below Normal (17%)	318	125	-371	-592	-953	-1,256	-177	33	48	401	604	328
Dry (22%)	467	235	-408	-336	-531	-1,102	125	254	872	1,288	1,110	716
Critical (15%)	156	100	-313	-223	-109	-229	200	397	436	850	564	241

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 15-2a. Sites Project Facilities Net Revenue, No Action Alternative 011221, Monthly Revenue (1000)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-21	-21	-7	-3	-2	-1	-13	-80	-98	-108	-89	-21
20%	-22	-22	-7	-3	-3	-1	-16	-86	-114	-127	-105	-26
30%	-24	-23	-7	-3	-3	-1	-19	-92	-120	-145	-120	-30
40%	-25	-25	-8	-3	-3	-1	-21	-98	-126	-163	-135	-34
50%	-27	-26	-8	-3	-3	-1	-25	-104	-129	-169	-143	-36
60%	-28	-27	-9	-3	-3	-1	-27	-107	-133	-172	-146	-38
70%	-30	-29	-10	-3	-3	-3	-31	-111	-135	-175	-151	-40
80%	-32	-30	-11	-4	-3	-4	-35	-115	-139	-177	-156	-40
90%	-33	-31	-12	-6	-3	-5	-39	-120	-141	-178	-161	-41
Long Term												
Full Simulation Period[a]	-27	-26	-9	-4	-3	-2	-25	-101	-125	-155	-132	-34
Water Year Types[b,c]												
Wet (32%)	-29	-27	-10	-3	-3	-2	-22	-106	-130	-174	-155	-39
Above Normal (15%)	-27	-26	-9	-3	-2	-1	-29	-106	-136	-174	-147	-38
Below Normal (17%)	-27	-27	-8	-4	-3	-3	-29	-107	-133	-167	-139	-33
Dry (22%)	-27	-26	-9	-4	-3	-2	-26	-97	-124	-141	-114	-31
Critical (15%)	-22	-24	-7	-4	-3	-4	-23	-82	-94	-104	-87	-24

Table 15-2b. Sites Project Facilities Net Revenue, Alternative 1B 011221, Monthly Revenue (1000)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	637	335	192	-3	-3	10	181	574	1,028	1,442	1,265	808
20%	334	204	22	-4	-3	-1	50	123	790	887	773	510
30%	326	80	19	-6	-9	-2	13	41	436	452	485	379
40%	253	2	-7	-303	-270	-20	5	-49	128	144	317	368
50%	167	-11	-7	-546	-545	-168	-10	-89	-62	-81	299	324
60%	87	-23	-9	-751	-753	-1,732	-17	-105	-96	-122	271	184
70%	13	-27	-11	-1,242	-1,678	-2,046	-29	-114	-107	-134	204	36
80%	-14	-30	-13	-2,292	-2,255	-2,424	-38	-122	-135	-138	-77	-6
90%	-28	-409	-882	-3,379	-3,045	-3,477	-2,891	-212	-379	-143	-104	-19
Long Term												
Full Simulation Period[a]	139	-60	-205	-1,027	-1,060	-1,222	-367	-29	145	320	387	322
Water Year Types[b,c]												
Wet (32%)	-19	-293	38	-1,782	-1,733	-1,269	-1,119	-438	-348	-231	72	300
Above Normal (15%)	81	-234	-198	-1,778	-1,468	-2,230	-340	-187	259	184	210	243
Below Normal (17%)	260	98	-363	-573	-979	-1,206	-182	156	62	225	375	256
Dry (22%)	346	192	-375	-335	-510	-1,153	203	291	686	1,017	962	567
Critical (15%)	84	58	-302	-206	-112	-235	162	319	382	716	396	159

Table 15-2c. Sites Project Facilities Net Revenue, Alternative 1B 011221 minus No Action Alternative 011221, Monthly Revenue (1000)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	658	357	199	0	-1	10	193	654	1,126	1,549	1,354	829
20%	356	226	28	0	0	0	67	209	904	1,015	879	536
30%	350	103	26	-3	-6	-1	32	133	557	597	605	409
40%	278	27	1	-299	-268	-19	26	49	254	306	452	402
50%	193	15	1	-542	-542	-167	15	15	66	88	442	360
60%	115	4	0	-748	-751	-1,731	10	3	36	50	417	223
70%	44	2	-1	-1,239	-1,675	-2,043	1	-3	29	42	355	76
80%	18	0	-2	-2,288	-2,253	-2,420	-3	-7	3	39	80	34
90%	5	-378	-870	-3,373	-3,043	-3,472	-2,852	-92	-238	35	57	23
Long Term												
Full Simulation Period[a]	166	-34	-197	-1,023	-1,057	-1,220	-342	71	270	476	519	356
Water Year Types[b,c]												
Wet (32%)	10	-266	48	-1,779	-1,730	-1,268	-1,097	-333	-217	-57	228	338
Above Normal (15%)	109	-207	-189	-1,775	-1,466	-2,228	-311	-80	395	359	358	281
Below Normal (17%)	287	125	-355	-569	-977	-1,203	-153	262	196	392	514	289
Dry (22%)	373	218	-366	-331	-507	-1,150	229	388	810	1,158	1,077	599
Critical (15%)	106	82	-294	-202	-109	-231	185	402	476	820	483	183

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 15-3a. Sites Project Facilities Net Revenue, No Action Alternative 011221, Monthly Revenue (1000)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-21	-21	-7	-3	-2	-1	-13	-80	-98	-108	-89	-21
20%	-22	-22	-7	-3	-3	-1	-16	-86	-114	-127	-105	-26
30%	-24	-23	-7	-3	-3	-1	-19	-92	-120	-145	-120	-30
40%	-25	-25	-8	-3	-3	-1	-21	-98	-126	-163	-135	-34
50%	-27	-26	-8	-3	-3	-1	-25	-104	-129	-169	-143	-36
60%	-28	-27	-9	-3	-3	-1	-27	-107	-133	-172	-146	-38
70%	-30	-29	-10	-3	-3	-3	-31	-111	-135	-175	-151	-40
80%	-32	-30	-11	-4	-3	-4	-35	-115	-139	-177	-156	-40
90%	-33	-31	-12	-6	-3	-5	-39	-120	-141	-178	-161	-41
Long Term												
Full Simulation Period[a]	-27	-26	-9	-4	-3	-2	-25	-101	-125	-155	-132	-34
Water Year Types[b,c]												
Wet (32%)	-29	-27	-10	-3	-3	-2	-22	-106	-130	-174	-155	-39
Above Normal (15%)	-27	-26	-9	-3	-2	-1	-29	-106	-136	-174	-147	-38
Below Normal (17%)	-27	-27	-8	-4	-3	-3	-29	-107	-133	-167	-139	-33
Dry (22%)	-27	-26	-9	-4	-3	-2	-26	-97	-124	-141	-114	-31
Critical (15%)	-22	-24	-7	-4	-3	-4	-23	-82	-94	-104	-87	-24

Table 15-3b. Sites Project Facilities Net Revenue, Alternative 2 011221, Monthly Revenue (1000)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	607	274	107	-3	-3	4	111	101	802	1,416	1,233	807
20%	339	63	19	-4	-3	-1	37	14	386	641	780	398
30%	306	2	17	-6	-4	-2	8	-47	47	314	397	362
40%	299	-3	-7	-106	-222	-12	4	-77	-34	29	293	345
50%	182	-23	-7	-489	-479	-52	-9	-101	-92	-39	275	337
60%	135	-27	-10	-631	-659	-1,340	-16	-111	-103	-93	244	282
70%	12	-30	-11	-1,021	-1,024	-1,866	-29	-118	-110	-133	200	158
80%	-2	-32	-13	-1,955	-1,849	-2,284	-37	-122	-138	-140	-76	7
90%	-27	-562	-737	-2,855	-2,926	-2,688	-103	-207	-303	-143	-98	-9
Long Term												
Full Simulation Period[a]	159	-83	-222	-925	-909	-1,072	-306	-78	30	268	375	331
Water Year Types[b,c]												
Wet (32%)	-29	-352	-35	-1,470	-1,375	-936	-833	-344	-303	-232	108	319
Above Normal (15%)	204	-173	-109	-1,766	-1,283	-2,182	-347	-207	-276	-49	211	300
Below Normal (17%)	283	81	-377	-569	-917	-1,203	-208	-75	-87	228	434	320
Dry (22%)	337	141	-392	-324	-510	-979	94	147	644	1,028	837	500
Critical (15%)	113	62	-308	-221	-112	-243	158	282	273	572	360	147

Table 15-3c. Sites Project Facilities Net Revenue, Alternative 2 011221 minus No Action Alternative 011221, Monthly Revenue (1000)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	628	295	113	0	-1	4	124	181	901	1,524	1,322	828
20%	361	85	26	-1	0	0	53	101	499	768	885	423
30%	330	26	24	-3	-1	-1	27	46	167	458	516	391
40%	324	22	1	-103	-219	-11	26	21	92	192	428	379
50%	208	3	1	-485	-476	-51	16	3	37	130	418	373
60%	163	0	-1	-628	-656	-1,339	11	-3	30	80	390	321
70%	42	-1	-1	-1,018	-1,021	-1,863	2	-7	26	42	351	197
80%	30	-2	-2	-1,951	-1,847	-2,280	-2	-7	1	37	80	47
90%	6	-531	-724	-2,849	-2,923	-2,683	-64	-86	-161	36	62	32
Long Term												
Full Simulation Period[a]	186	-57	-214	-922	-906	-1,070	-281	22	155	423	508	365
Water Year Types[b,c]												
Wet (32%)	0	-325	-25	-1,467	-1,373	-934	-811	-238	-173	-58	263	358
Above Normal (15%)	231	-147	-101	-1,763	-1,281	-2,181	-318	-101	-140	125	358	337
Below Normal (17%)	310	108	-368	-565	-914	-1,200	-179	32	46	395	573	352
Dry (22%)	364	167	-383	-320	-507	-976	120	244	768	1,169	952	531
Critical (15%)	134	86	-300	-217	-109	-240	181	364	367	676	446	171

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 15-4a. Sites Project Facilities Net Revenue, No Action Alternative 011221, Monthly Revenue (1000)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-21	-21	-7	-3	-2	-1	-13	-80	-98	-108	-89	-21
20%	-22	-22	-7	-3	-3	-1	-16	-86	-114	-127	-105	-26
30%	-24	-23	-7	-3	-3	-1	-19	-92	-120	-145	-120	-30
40%	-25	-25	-8	-3	-3	-1	-21	-98	-126	-163	-135	-34
50%	-27	-26	-8	-3	-3	-1	-25	-104	-129	-169	-143	-36
60%	-28	-27	-9	-3	-3	-1	-27	-107	-133	-172	-146	-38
70%	-30	-29	-10	-3	-3	-3	-31	-111	-135	-175	-151	-40
80%	-32	-30	-11	-4	-3	-4	-35	-115	-139	-177	-156	-40
90%	-33	-31	-12	-6	-3	-5	-39	-120	-141	-178	-161	-41
Long Term												
Full Simulation Period[a]	-27	-26	-9	-4	-3	-2	-25	-101	-125	-155	-132	-34
Water Year Types[b,c]												
Wet (32%)	-29	-27	-10	-3	-3	-2	-22	-106	-130	-174	-155	-39
Above Normal (15%)	-27	-26	-9	-3	-2	-1	-29	-106	-136	-174	-147	-38
Below Normal (17%)	-27	-27	-8	-4	-3	-3	-29	-107	-133	-167	-139	-33
Dry (22%)	-27	-26	-9	-4	-3	-2	-26	-97	-124	-141	-114	-31
Critical (15%)	-22	-24	-7	-4	-3	-4	-23	-82	-94	-104	-87	-24

Table 15-4b. Sites Project Facilities Net Revenue, Alternative 3 020121, Monthly Revenue (1000)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	613	218	184	-3	-3	9	184	1,003	1,408	1,744	1,581	709
20%	334	181	18	-4	-3	-1	45	268	1,069	1,397	771	379
30%	325	22	15	-6	-9	-2	7	33	658	1,193	504	365
40%	209	0	-7	-292	-256	-35	-4	-59	282	588	319	340
50%	145	-20	-7	-525	-545	-939	-12	-89	-88	88	271	221
60%	37	-25	-10	-780	-728	-1,857	-17	-105	-97	-100	213	156
70%	1	-29	-12	-1,189	-1,824	-2,160	-29	-114	-106	-132	-70	14
80%	-25	-124	-252	-2,179	-2,280	-2,493	-38	-122	-135	-138	-95	-12
90%	-60	-606	-777	-3,286	-3,104	-3,642	-3,029	-200	-359	-143	-115	-20
Long Term												
Full Simulation Period[a]	113	-105	-252	-999	-1,095	-1,346	-468	-18	261	529	390	258
Water Year Types[b,c]												
Wet (32%)	-57	-303	38	-1,739	-1,715	-1,689	-1,404	-560	-389	-230	67	241
Above Normal (15%)	112	-302	-470	-1,749	-1,632	-2,317	-333	-188	481	1,308	904	330
Below Normal (17%)	252	43	-410	-557	-1,117	-1,204	-186	222	588	696	389	177
Dry (22%)	280	90	-377	-311	-494	-1,096	164	445	797	1,019	654	403
Critical (15%)	68	55	-294	-195	-90	-175	146	350	263	464	179	100

Table 15-4c. Sites Project Facilities Net Revenue, Alternative 3 020121 minus No Action Alternative 011221, Monthly Revenue (1000)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	634	239	190	0	-1	10	197	1,083	1,506	1,852	1,670	730
20%	357	203	25	-1	0	0	62	354	1,183	1,524	877	405
30%	349	46	22	-3	-6	-2	26	125	778	1,337	623	394
40%	234	24	1	-289	-253	-35	17	39	408	751	454	374
50%	172	6	1	-522	-543	-938	13	15	41	257	414	257
60%	65	3	-1	-777	-725	-1,855	10	3	36	72	359	194
70%	32	0	-1	-1,186	-1,822	-2,158	1	-3	29	43	81	54
80%	7	-94	-241	-2,175	-2,278	-2,489	-3	-7	3	39	61	28
90%	-27	-575	-765	-3,280	-3,101	-3,637	-2,991	-79	-217	35	45	21
Long Term												
Full Simulation Period[a]	140	-79	-244	-996	-1,092	-1,344	-443	83	386	684	522	292
Water Year Types[b,c]												
Wet (32%)	-28	-276	48	-1,735	-1,712	-1,687	-1,382	-454	-259	-57	222	280
Above Normal (15%)	139	-276	-461	-1,746	-1,630	-2,315	-304	-81	617	1,482	1,052	368
Below Normal (17%)	280	70	-401	-553	-1,114	-1,201	-157	329	721	863	528	209
Dry (22%)	307	116	-368	-307	-491	-1,094	190	542	921	1,160	769	434
Critical (15%)	90	79	-287	-191	-87	-171	169	432	356	568	266	124

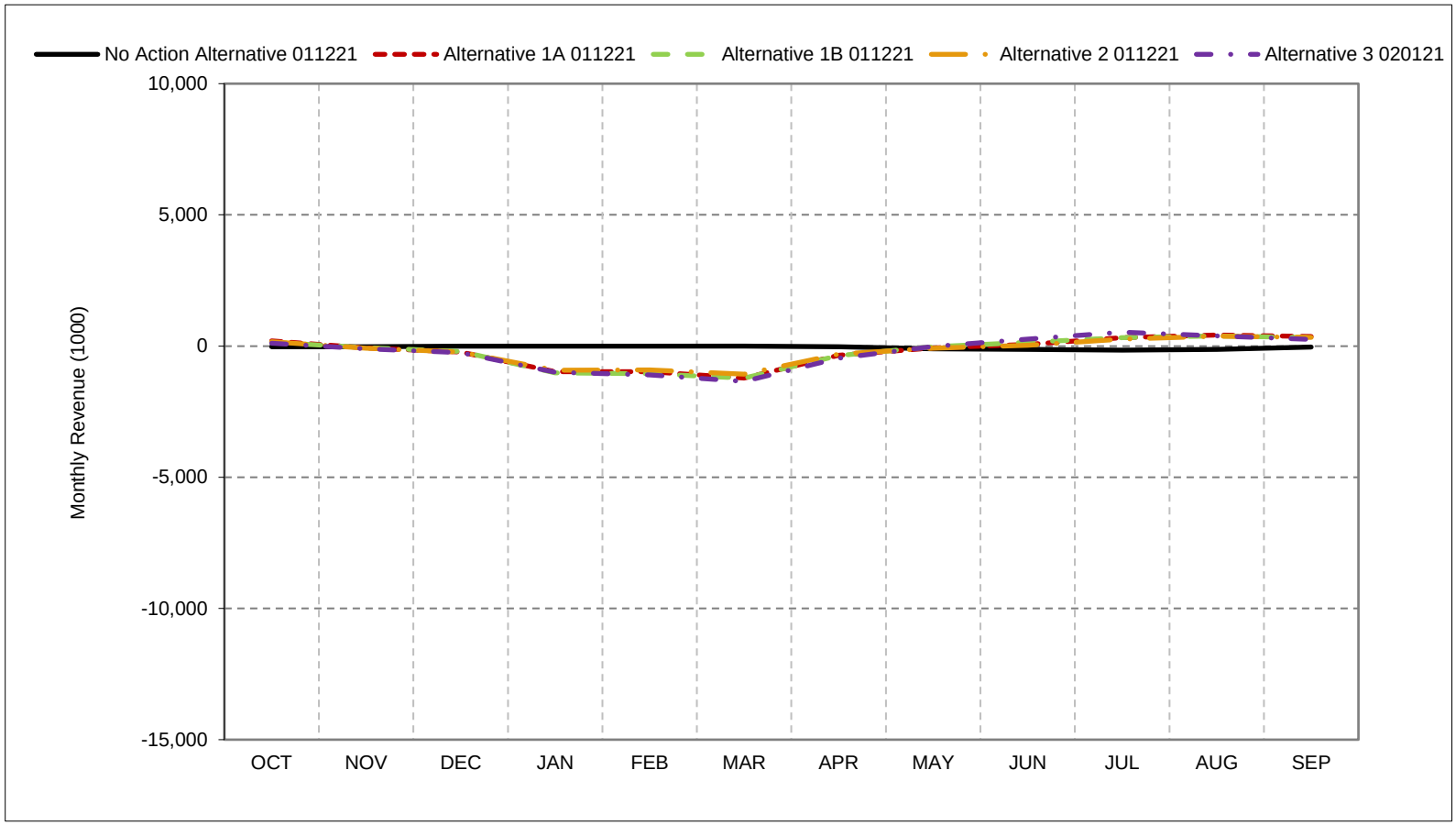
a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 15-1. Sites Project Facilities Net Revenue, Long-Term Average Revenue

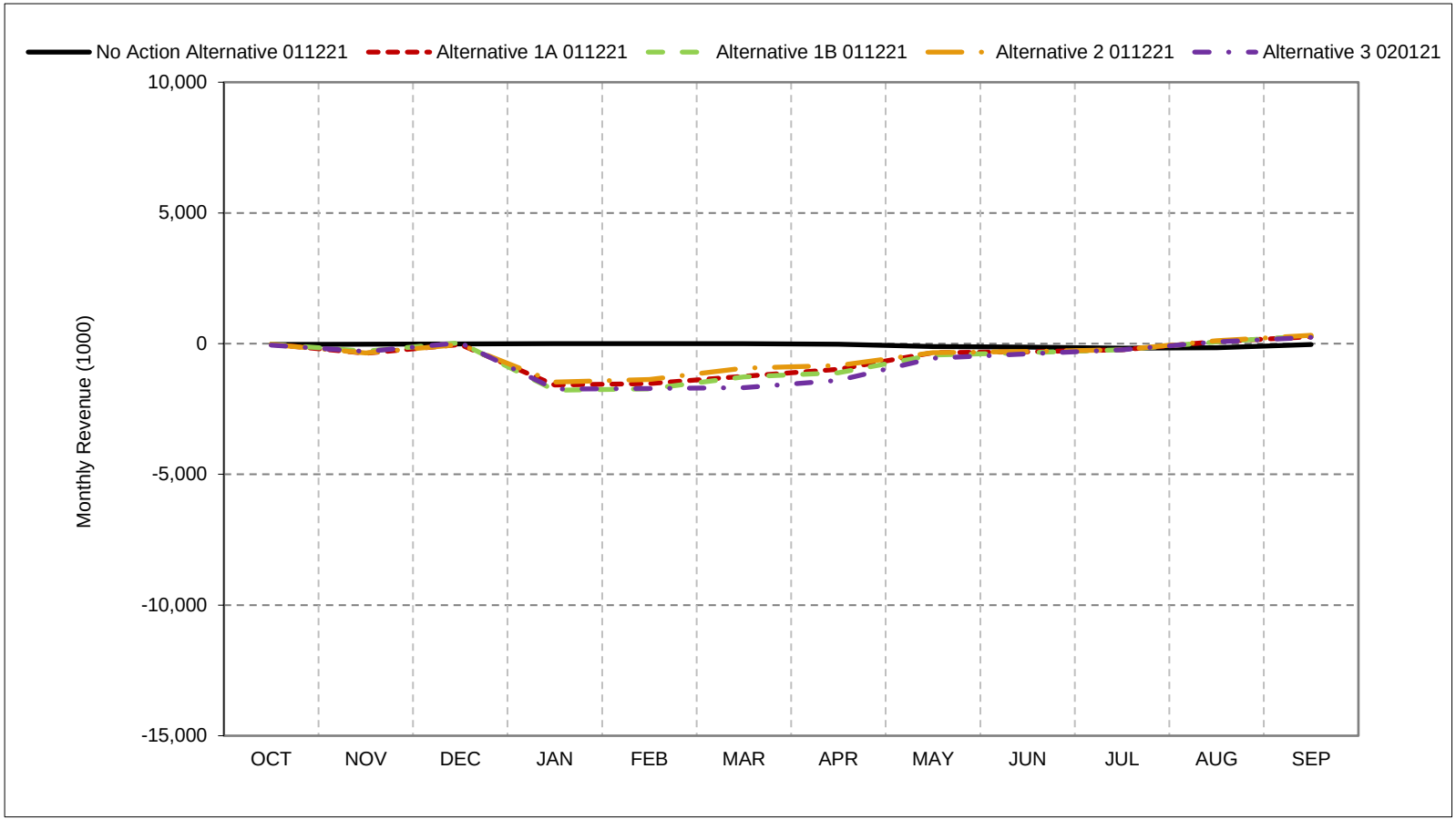


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 15-2. Sites Project Facilities Net Revenue, Wet Year Average Revenue

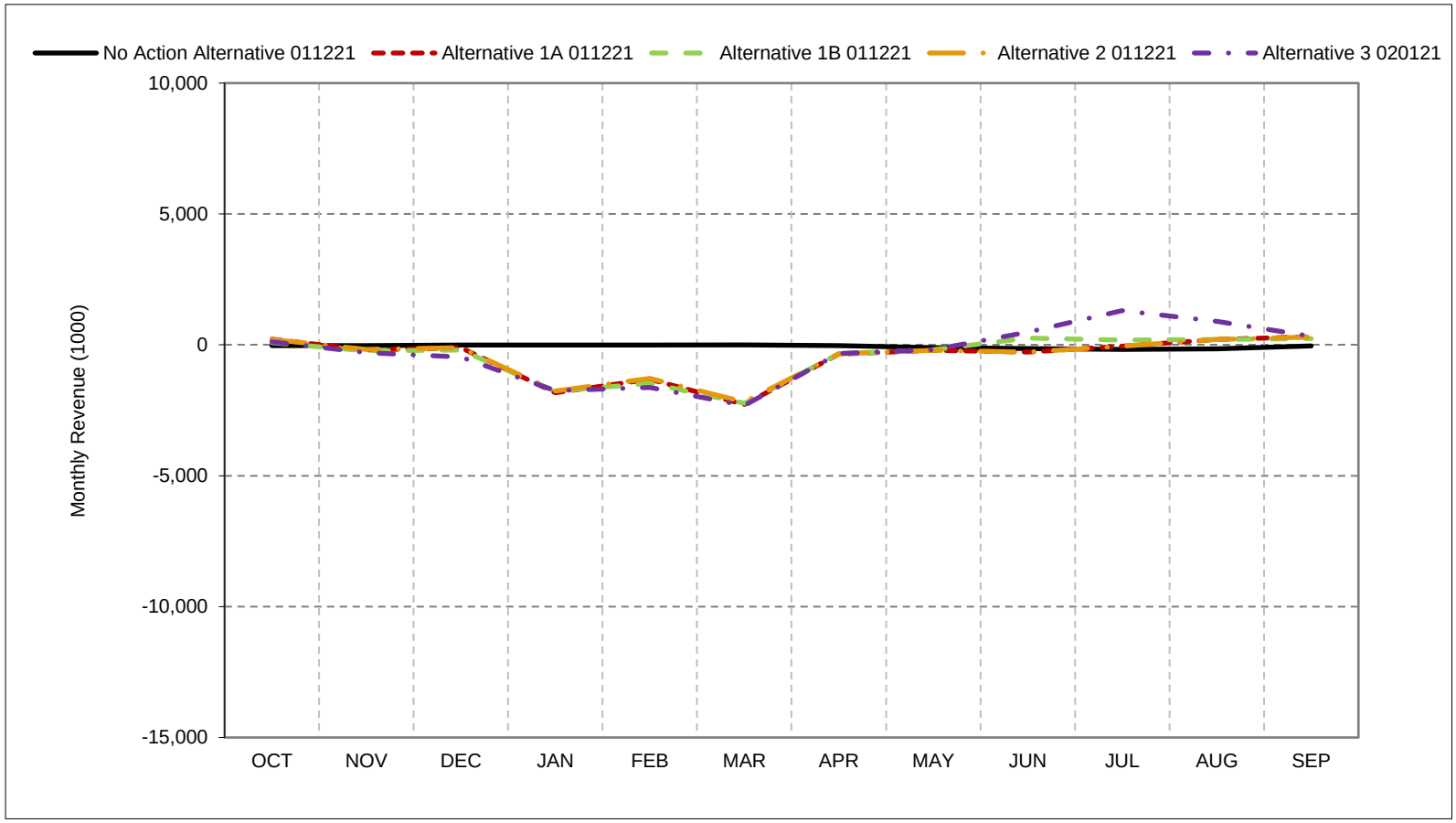


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 15-3. Sites Project Facilities Net Revenue, Above Normal Year Average Revenue

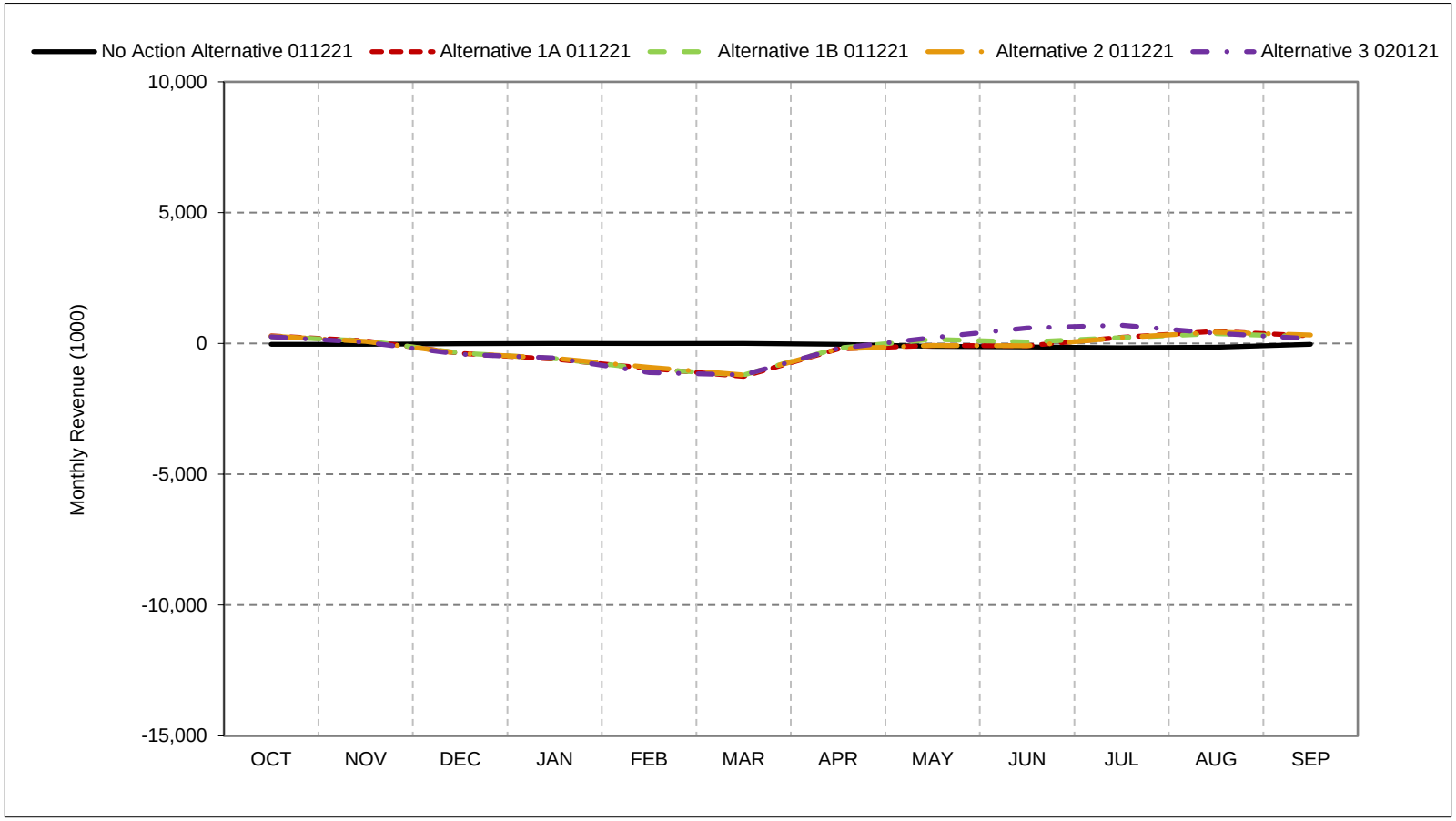


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 15-4. Sites Project Facilities Net Revenue, Below Normal Year Average Revenue

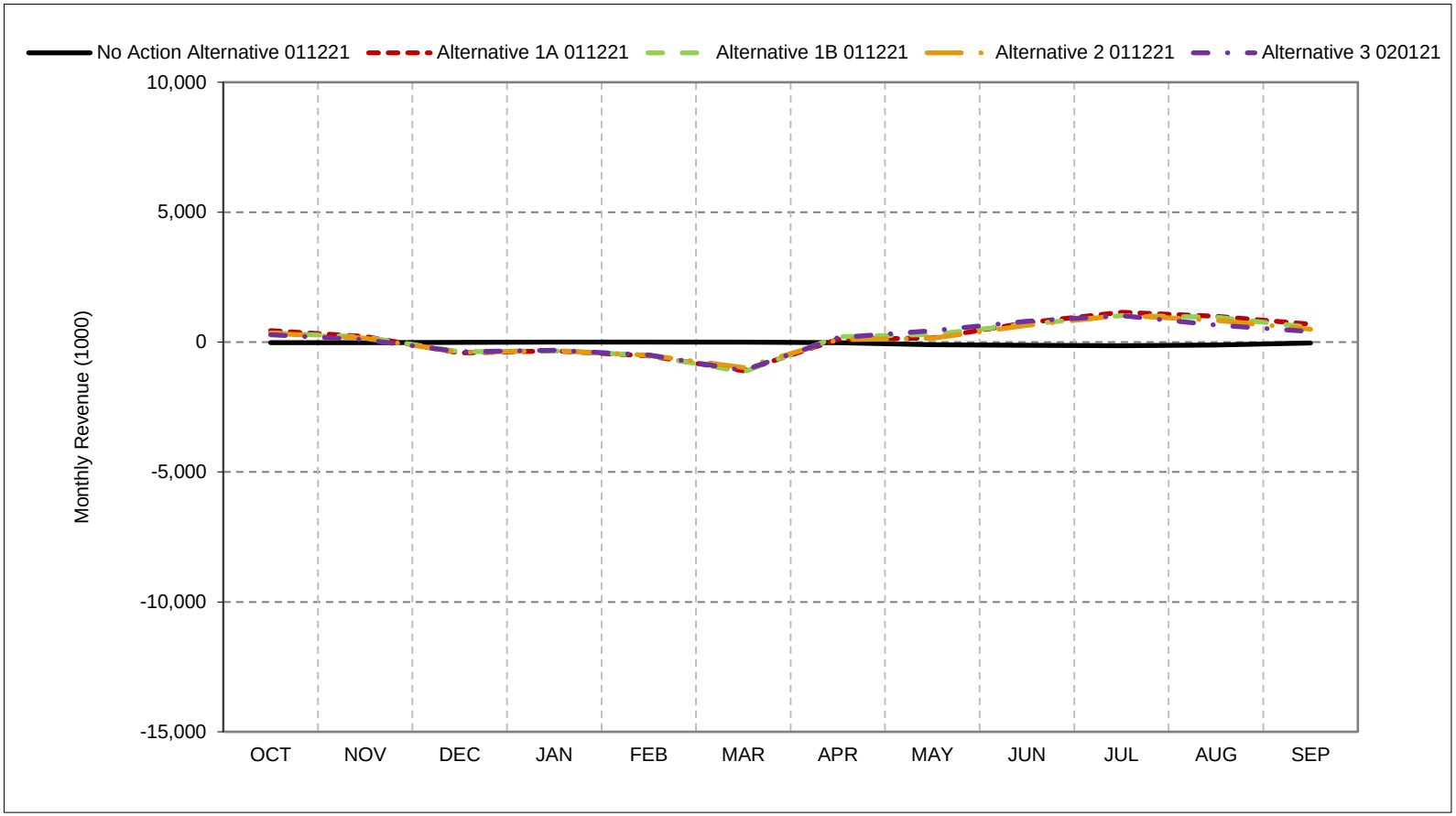


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 15-5. Sites Project Facilities Net Revenue, Dry Year Average Revenue

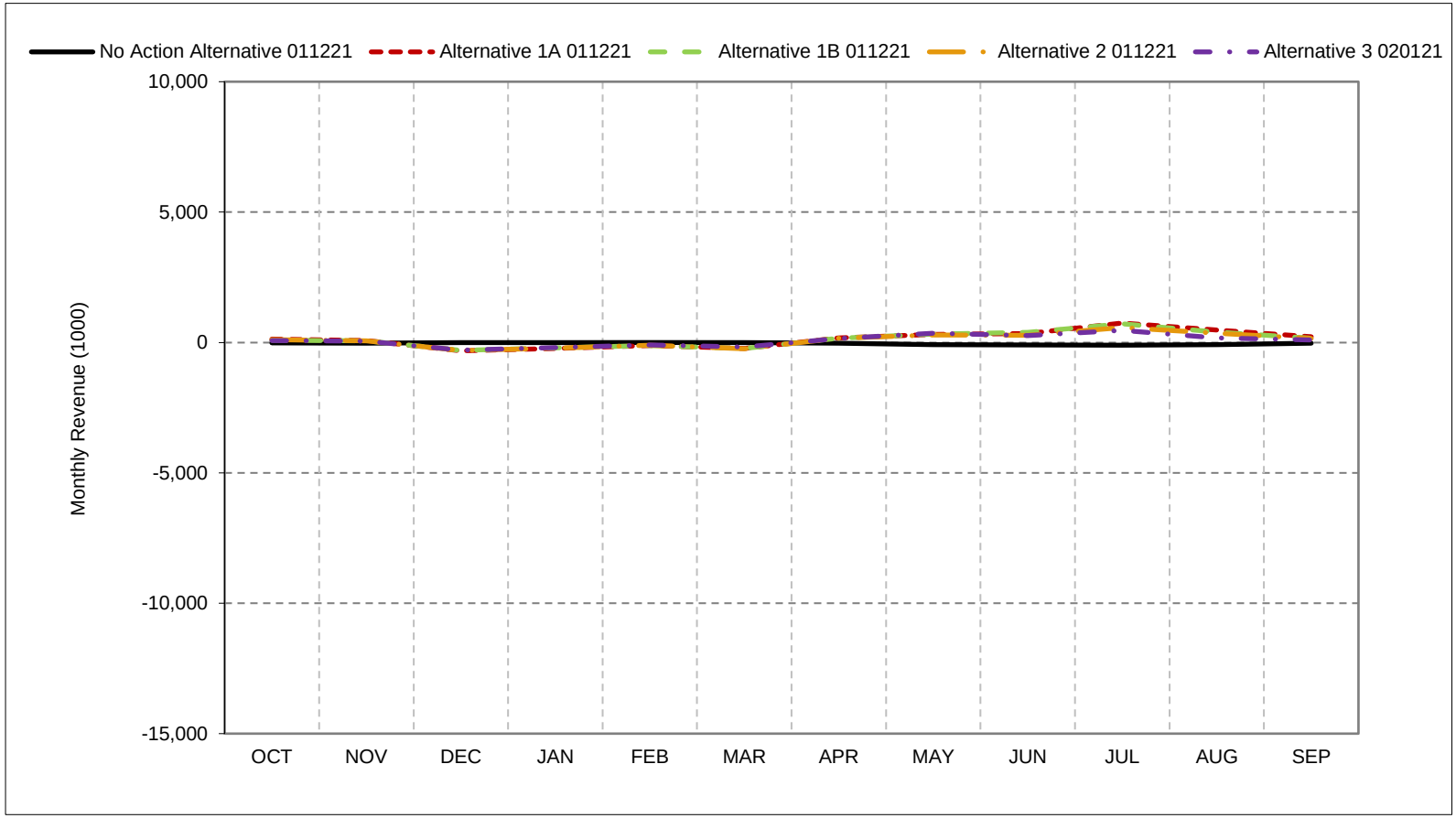


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 15-6. Sites Project Facilities Net Revenue, Critical Year Average Revenue

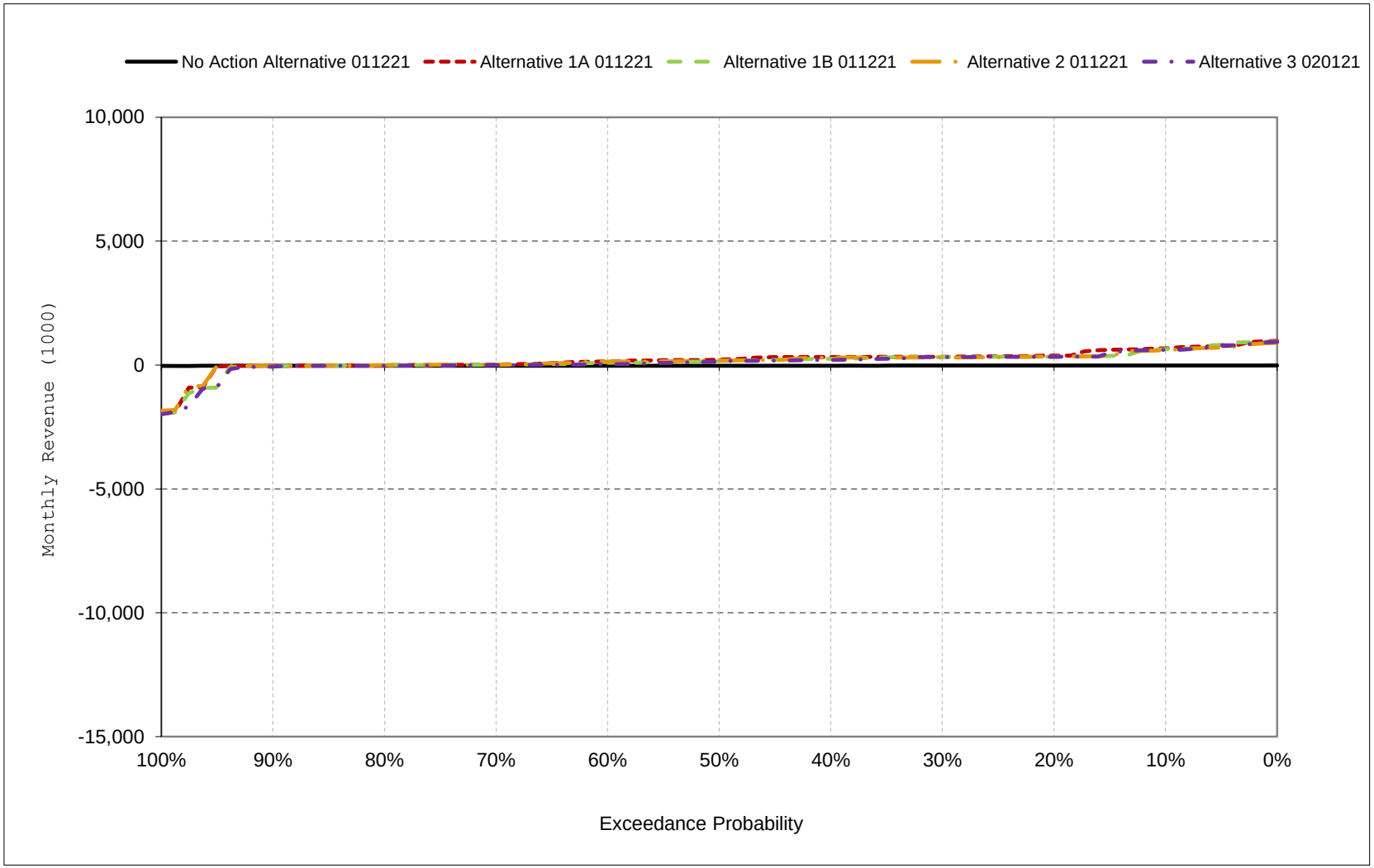


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

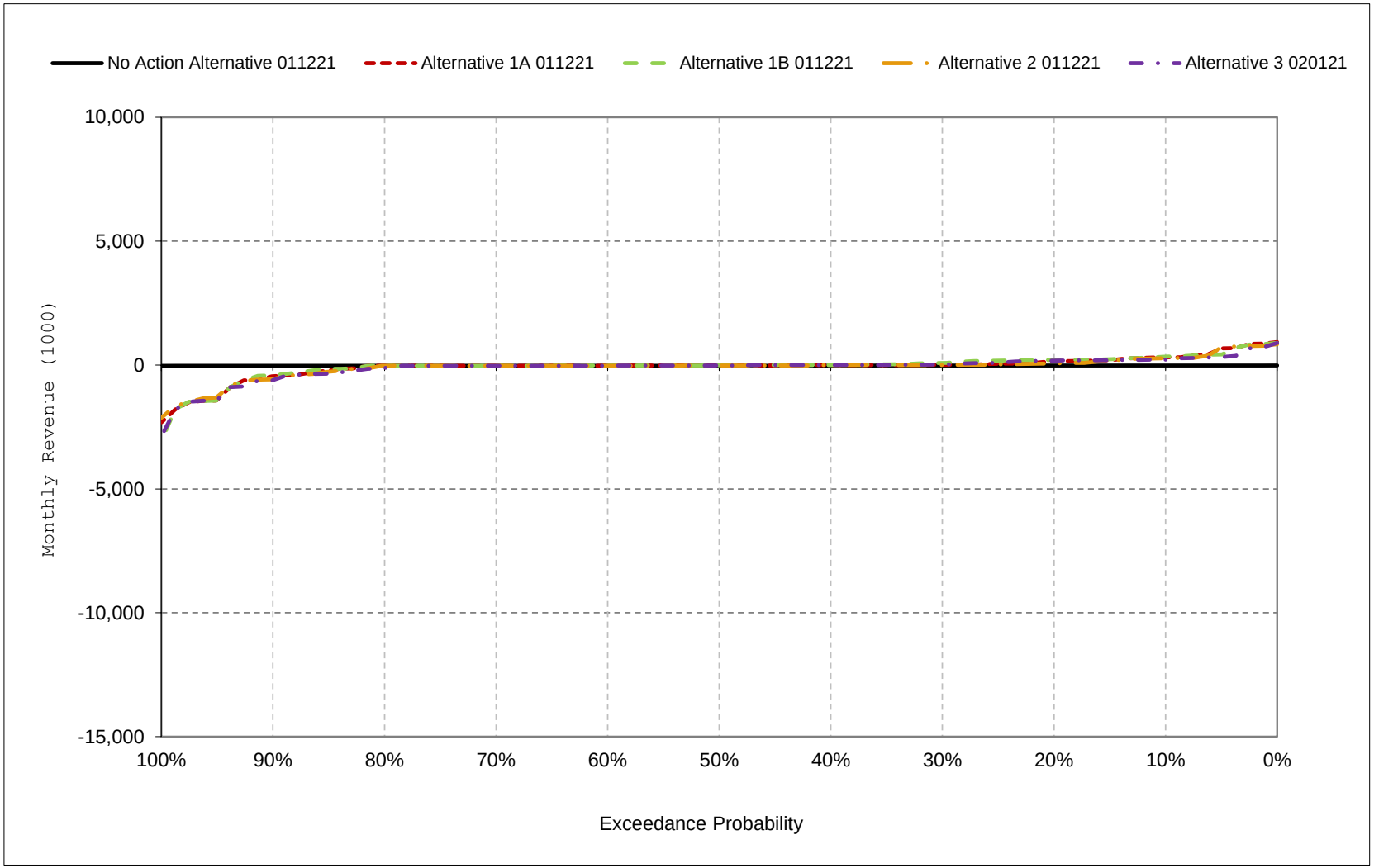
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 15-7. Sites Project Facilities Net Revenue, October



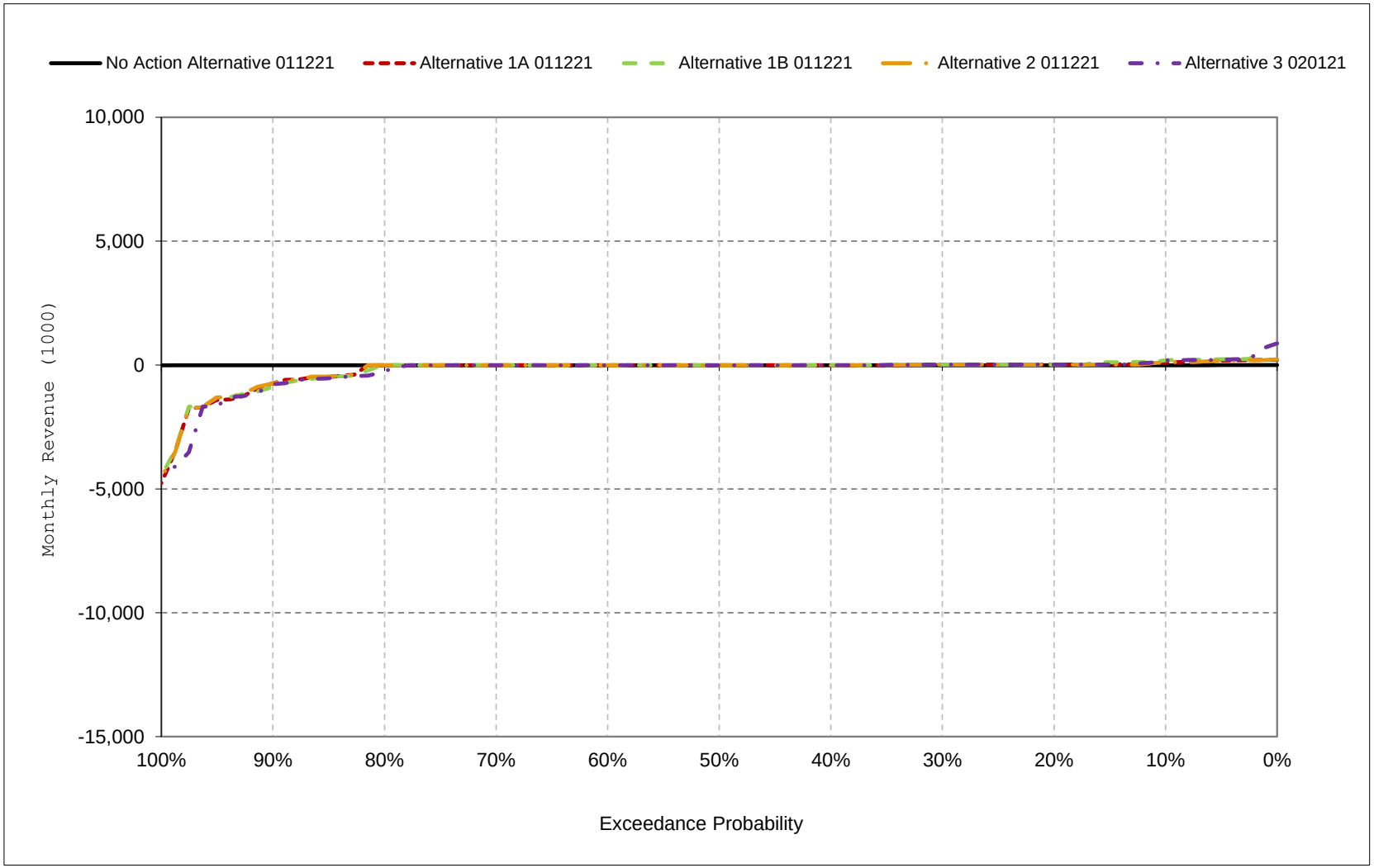
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 15-8. Sites Project Facilities Net Revenue, November



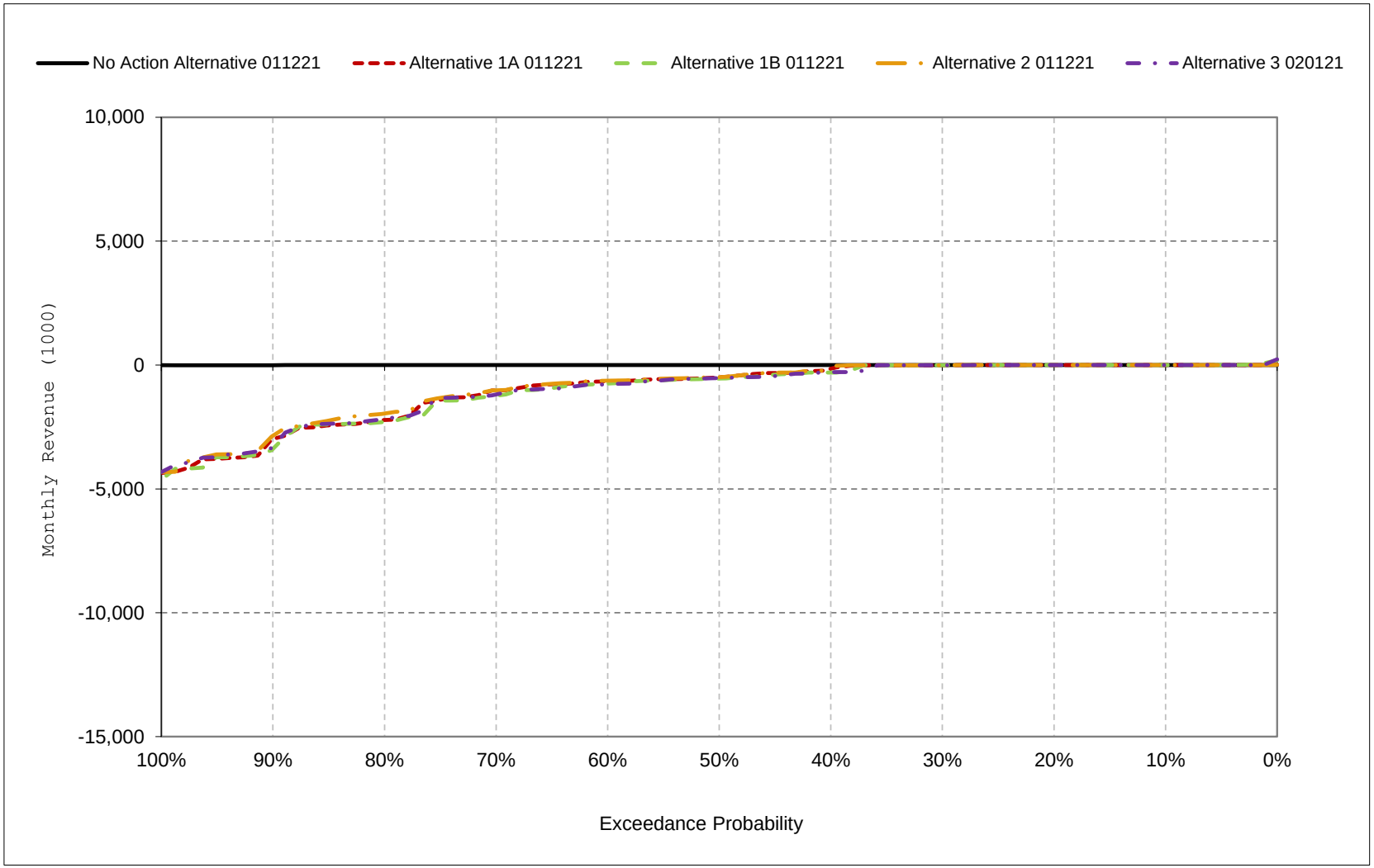
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 15-9. Sites Project Facilities Net Revenue, December



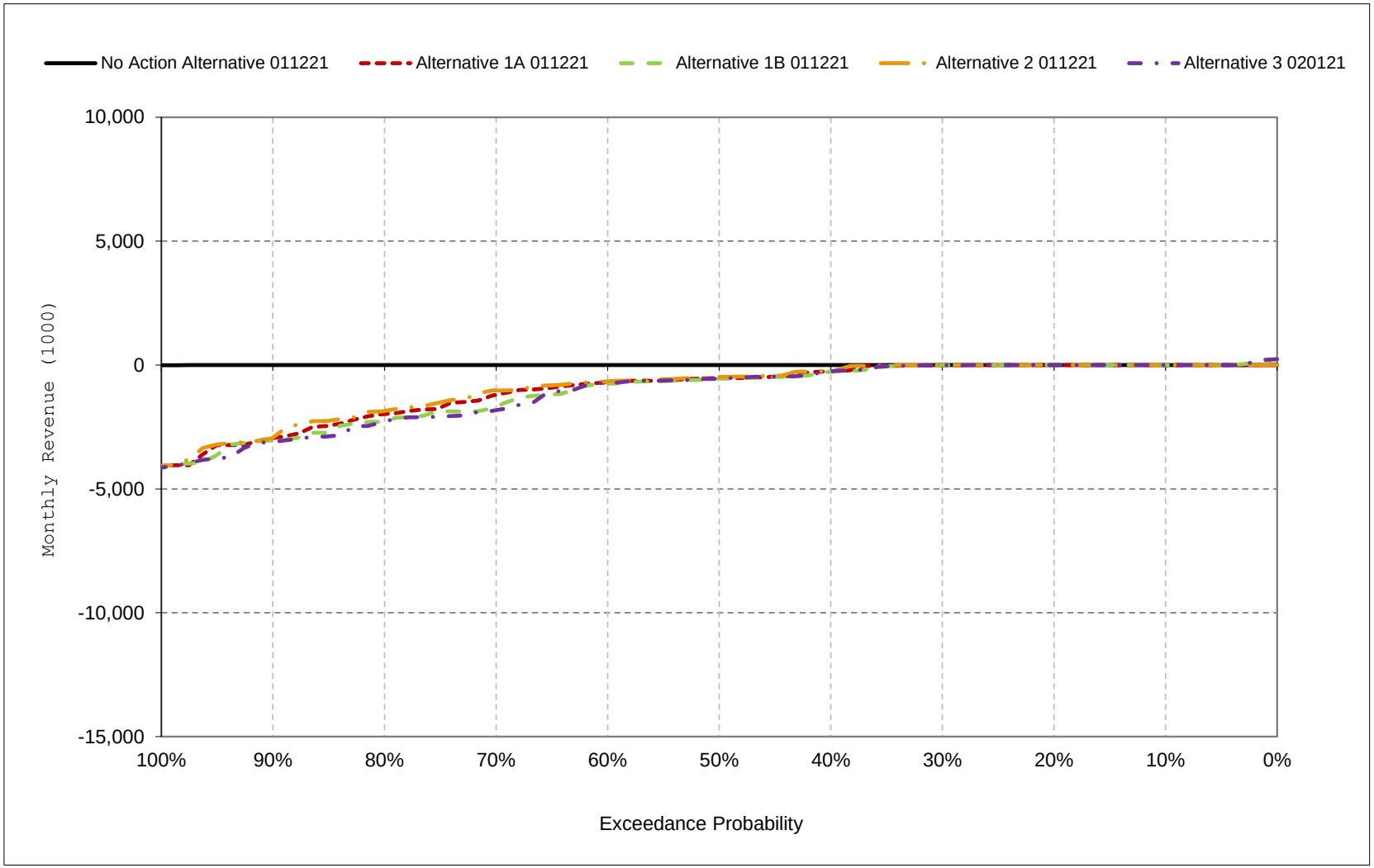
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 15-10. Sites Project Facilities Net Revenue, January



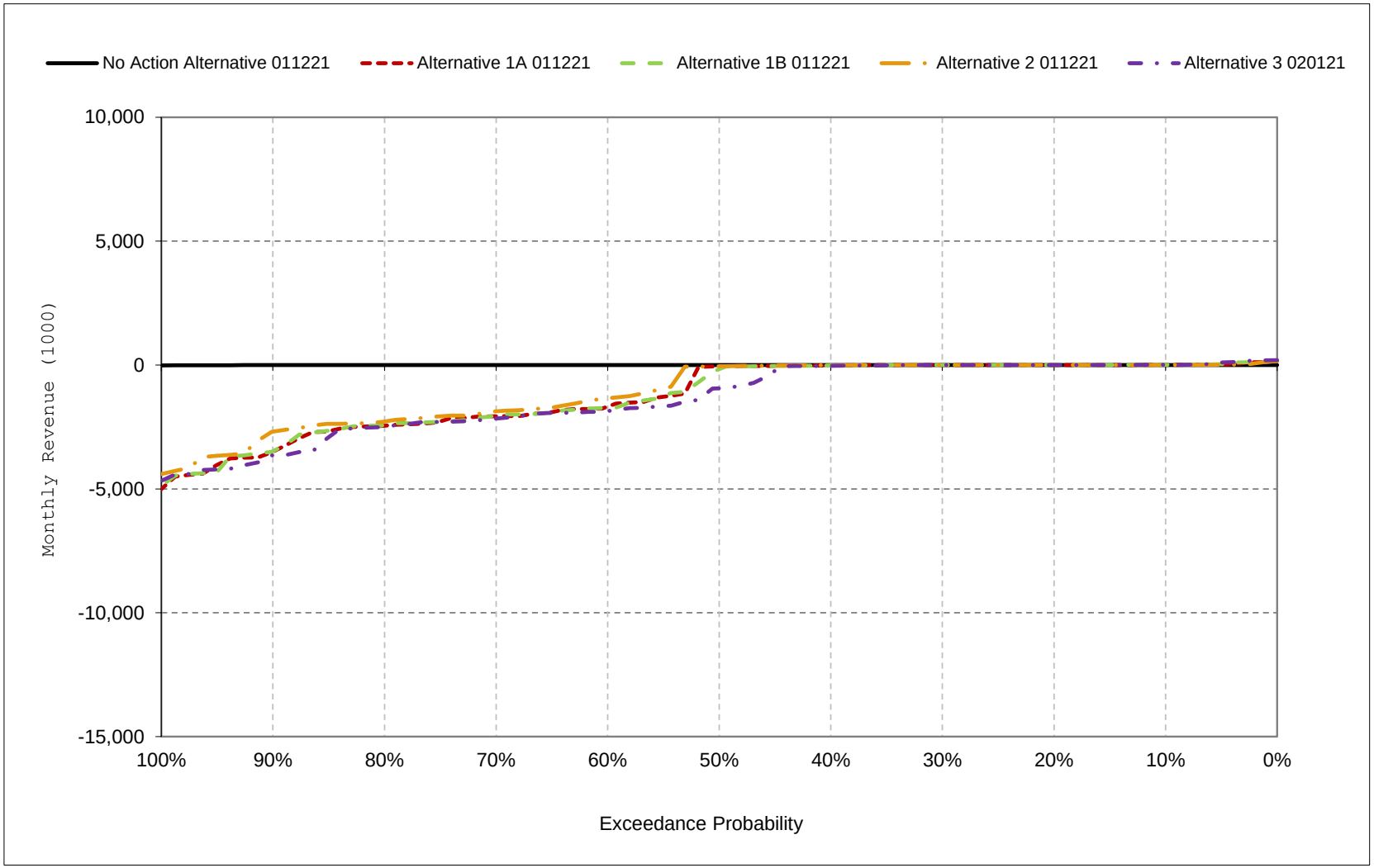
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 15-11. Sites Project Facilities Net Revenue, February



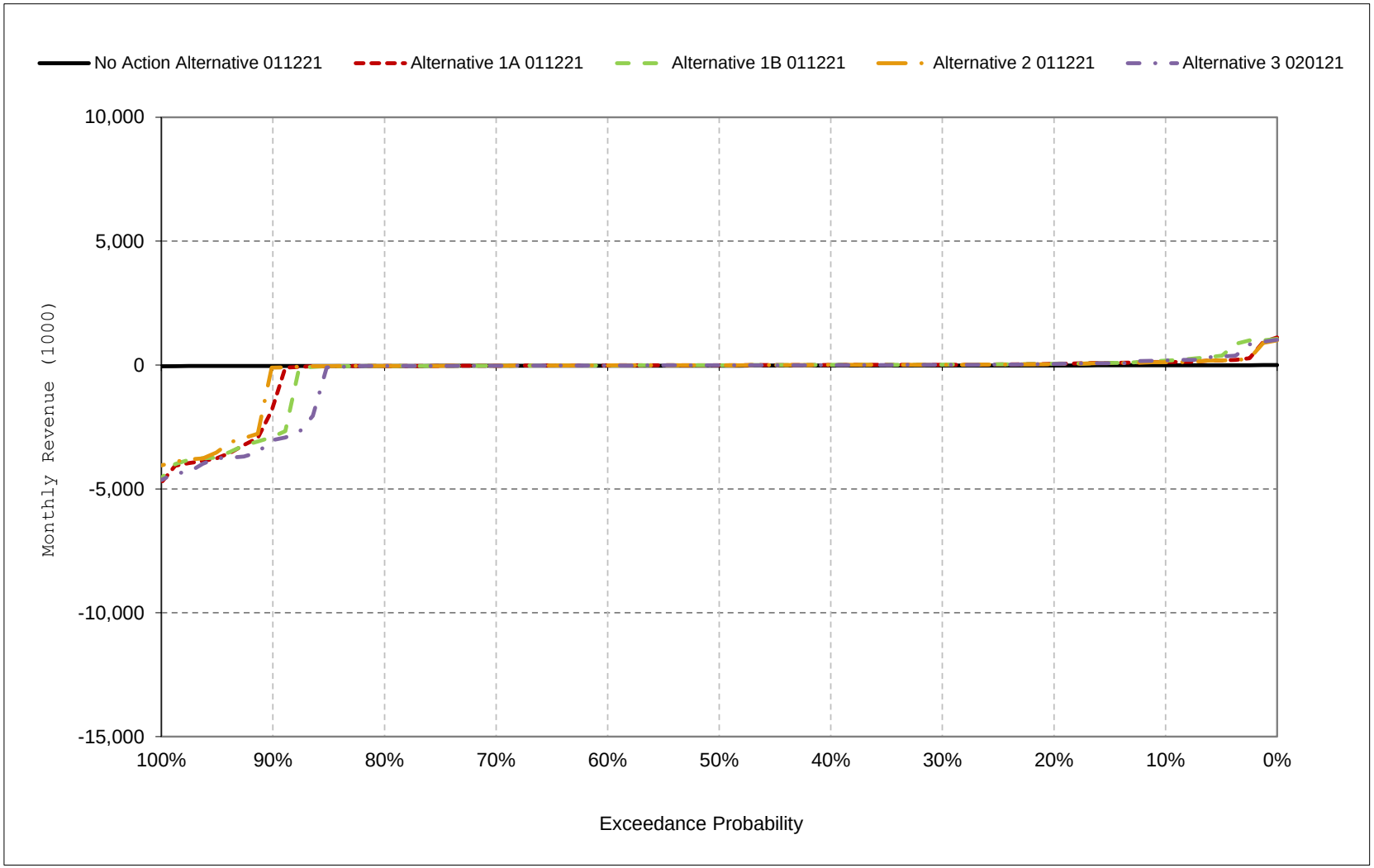
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 15-12. Sites Project Facilities Net Revenue, March



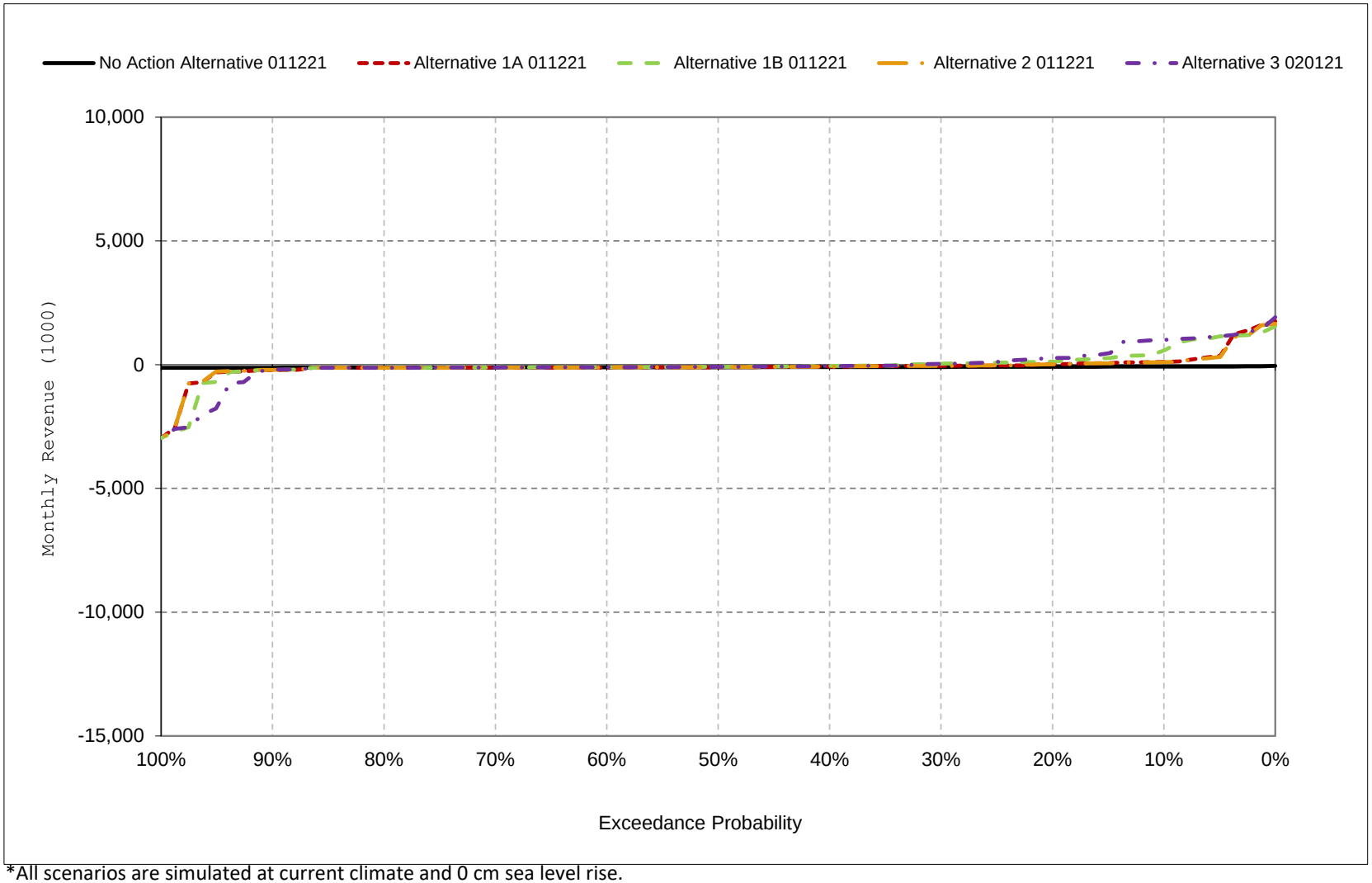
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 15-13. Sites Project Facilities Net Revenue, April



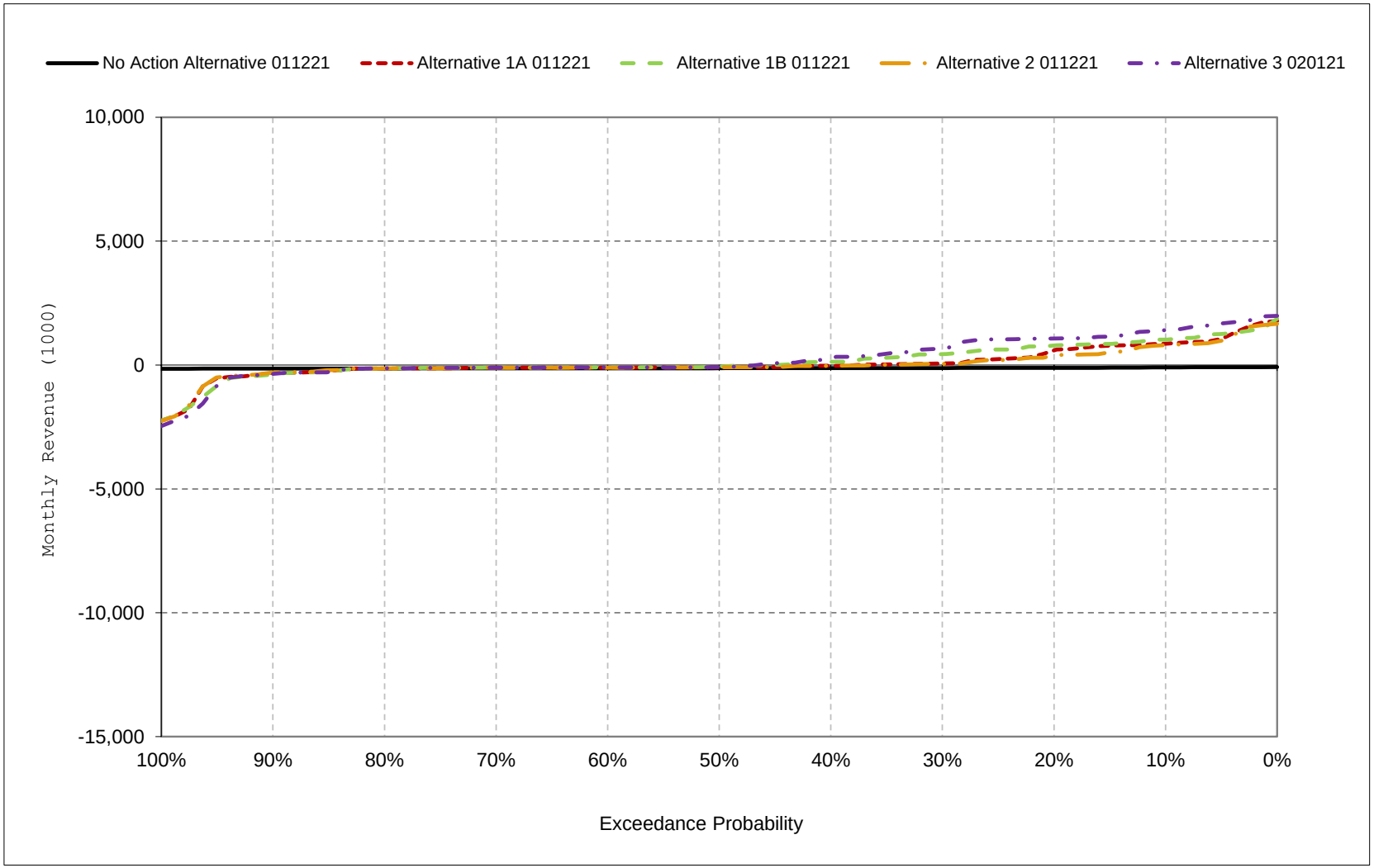
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 15-14. Sites Project Facilities Net Revenue, May



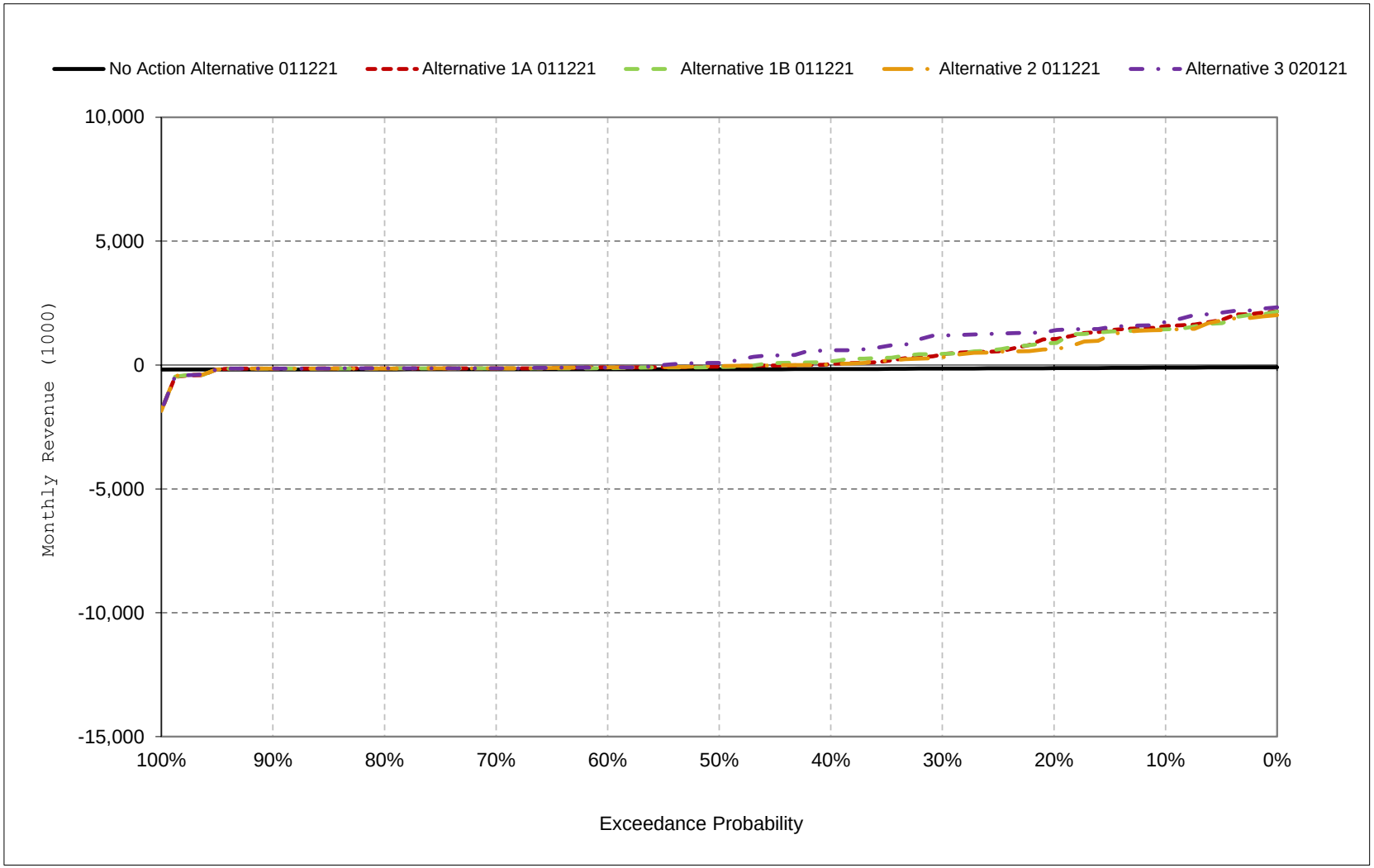
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 15-15. Sites Project Facilities Net Revenue, June



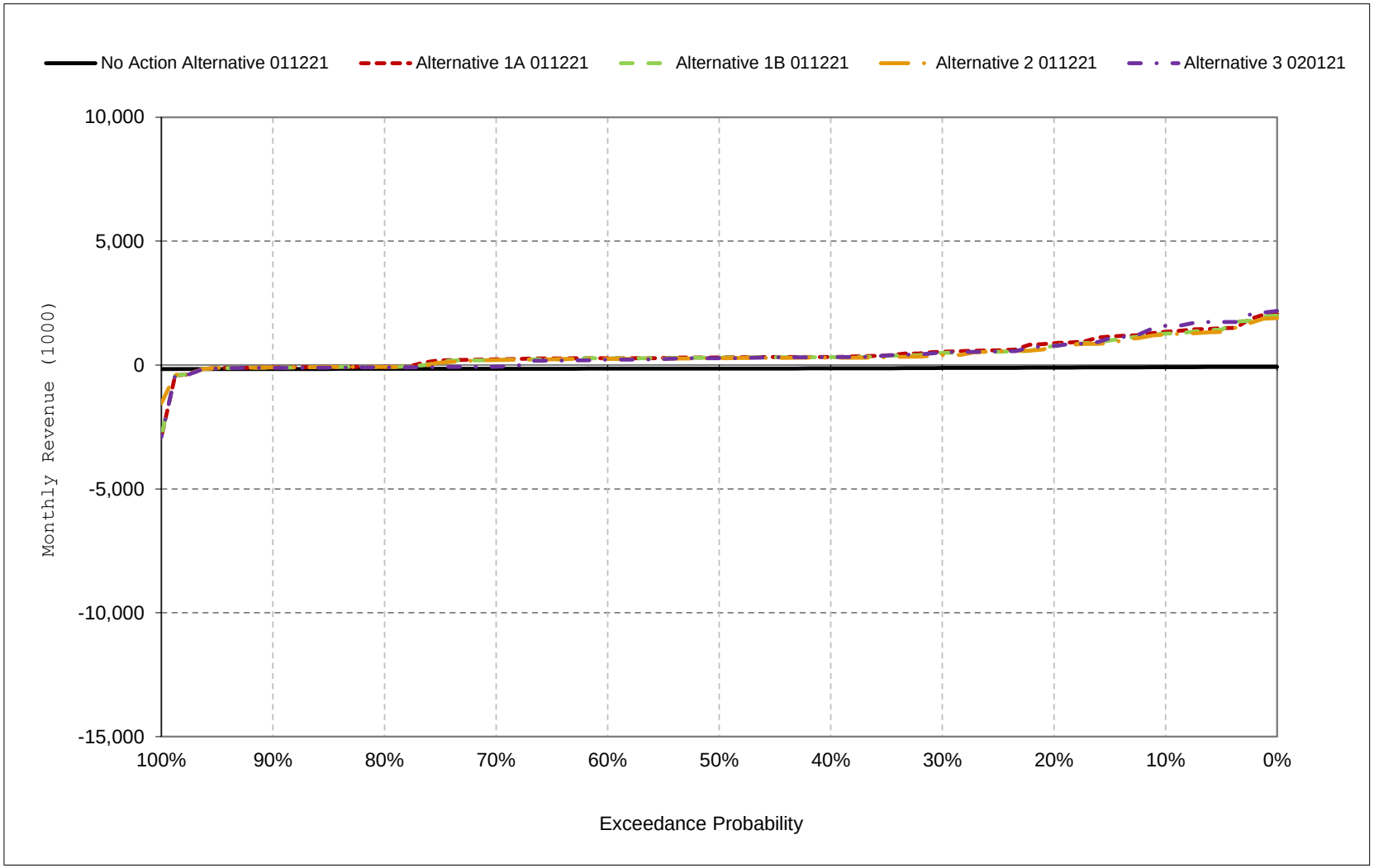
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 15-16. Sites Project Facilities Net Revenue, July



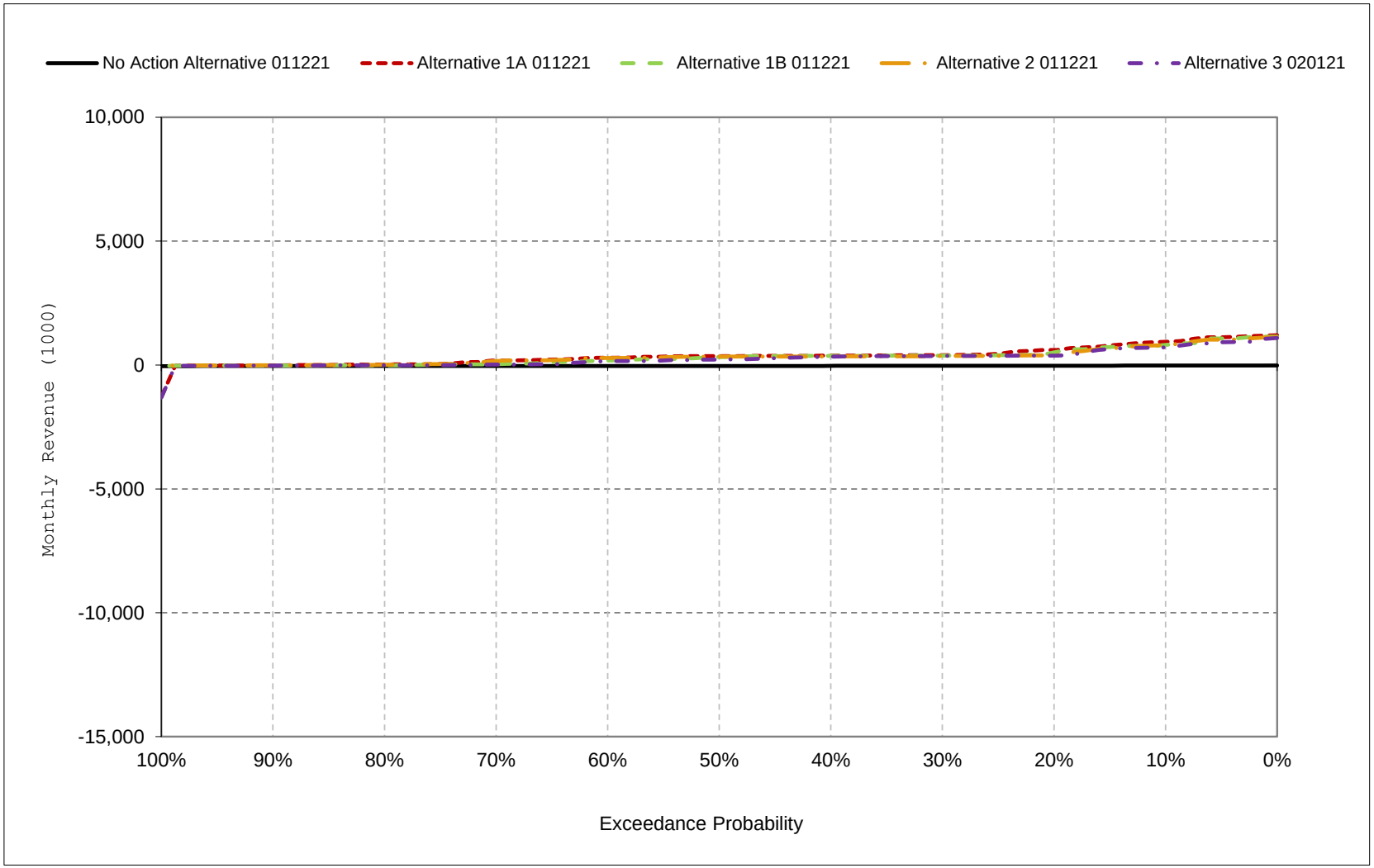
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 15-17. Sites Project Facilities Net Revenue, August



*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 15-18. Sites Project Facilities Net Revenue, September



*All scenarios are simulated at current climate and 0 cm sea level rise.

Table 16-1a. CVP, SWP, and Sites Project Facilities Net Generation, No Action Alternative 011221, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-19	-27	226	424	443	570	194	546	360	458	200	133
20%	-48	-101	43	104	241	305	144	358	312	432	169	90
30%	-85	-176	-89	-2	33	118	86	317	261	378	151	73
40%	-112	-212	-155	-49	-37	13	73	262	244	337	121	39
50%	-150	-239	-179	-70	-63	-33	39	223	220	311	92	-21
60%	-169	-270	-232	-96	-106	-96	5	194	193	270	80	-75
70%	-224	-309	-286	-148	-132	-126	-36	165	158	218	45	-125
80%	-281	-347	-365	-180	-200	-204	-92	124	115	193	14	-204
90%	-383	-396	-454	-281	-280	-275	-128	75	52	120	-17	-285
Long Term												
Full Simulation Period[a]	-162	-221	-136	-26	3	45	47	251	224	295	92	-47
Water Year Types[b,c]												
Wet (32%)	-104	-232	-65	186	166	269	134	375	233	246	93	91
Above Normal (15%)	-214	-289	-238	-100	64	86	20	252	164	358	140	49
Below Normal (17%)	-325	-299	-207	-223	-120	-157	-65	124	146	292	41	-258
Dry (22%)	-145	-175	-81	-120	-111	-81	0	210	294	335	105	-139
Critical (15%)	-73	-105	-187	-41	-97	-59	88	194	252	283	83	-61

Table 16-1b. CVP, SWP, and Sites Project Facilities Net Generation, Alternative 1A 011221, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-19	-52	226	305	396	527	174	549	347	455	178	137
20%	-74	-183	20	84	204	305	129	354	306	380	145	98
30%	-113	-211	-110	-13	32	87	89	312	252	337	115	78
40%	-146	-238	-161	-55	-44	0	72	259	239	278	94	30
50%	-175	-268	-199	-88	-91	-59	35	218	217	239	42	-60
60%	-215	-307	-247	-114	-110	-100	7	196	178	199	23	-145
70%	-265	-334	-287	-149	-147	-150	-43	166	157	168	-4	-209
80%	-323	-356	-386	-180	-205	-225	-92	117	111	133	-50	-273
90%	-397	-405	-451	-316	-283	-285	-128	61	52	67	-95	-314
Long Term												
Full Simulation Period[a]	-194	-249	-145	-45	-14	22	41	248	216	247	45	-77
Water Year Types[b,c]												
Wet (32%)	-99	-236	-68	156	141	247	112	372	226	245	97	97
Above Normal (15%)	-209	-291	-240	-138	35	39	17	248	158	360	145	56
Below Normal (17%)	-343	-338	-219	-237	-140	-183	-64	123	141	290	39	-256
Dry (22%)	-260	-247	-94	-125	-120	-107	0	207	276	204	-27	-217
Critical (15%)	-112	-136	-207	-44	-94	-52	93	186	250	153	-53	-168

Table 16-1c. CVP, SWP, and Sites Project Facilities Net Generation, Alternative 1A 011221 minus No Action Alternative 011221, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-1	-25	0	-119	-47	-43	-20	3	-13	-3	-22	4
20%	-26	-83	-23	-20	-37	0	-15	-4	-6	-52	-24	8
30%	-29	-34	-21	-11	-1	-32	4	-5	-9	-41	-37	5
40%	-34	-26	-6	-6	-7	-13	0	-3	-5	-58	-27	-9
50%	-25	-29	-20	-18	-28	-25	-4	-5	-3	-72	-50	-38
60%	-46	-38	-15	-18	-3	-3	2	3	-15	-71	-58	-69
70%	-40	-24	0	-1	-14	-24	-7	0	-1	-50	-50	-84
80%	-42	-9	-21	0	-5	-21	1	-6	-4	-59	-64	-69
90%	-14	-9	3	-35	-2	-10	0	-14	1	-53	-78	-29
Long Term												
Full Simulation Period[a]	-32	-29	-9	-19	-17	-23	-7	-3	-8	-48	-47	-30
Water Year Types[b,c]												
Wet (32%)	4	-5	-3	-29	-25	-22	-22	-3	-7	0	4	5
Above Normal (15%)	5	-2	-2	-38	-29	-48	-3	-4	-6	2	5	7
Below Normal (17%)	-18	-39	-12	-14	-20	-25	0	-2	-4	-1	-3	2
Dry (22%)	-115	-72	-13	-5	-9	-26	0	-2	-18	-131	-132	-77
Critical (15%)	-39	-31	-19	-3	3	7	5	-8	-3	-130	-135	-108

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 16-2a. CVP, SWP, and Sites Project Facilities Net Generation, No Action Alternative 011221, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-19	-27	226	424	443	570	194	546	360	458	200	133
20%	-48	-101	43	104	241	305	144	358	312	432	169	90
30%	-85	-176	-89	-2	33	118	86	317	261	378	151	73
40%	-112	-212	-155	-49	-37	13	73	262	244	337	121	39
50%	-150	-239	-179	-70	-63	-33	39	223	220	311	92	-21
60%	-169	-270	-232	-96	-106	-96	5	194	193	270	80	-75
70%	-224	-309	-286	-148	-132	-126	-36	165	158	218	45	-125
80%	-281	-347	-365	-180	-200	-204	-92	124	115	193	14	-204
90%	-383	-396	-454	-281	-280	-275	-128	75	52	120	-17	-285
Long Term												
Full Simulation Period[a]	-162	-221	-136	-26	3	45	47	251	224	295	92	-47
Water Year Types[b,c]												
Wet (32%)	-104	-232	-65	186	166	269	134	375	233	246	93	91
Above Normal (15%)	-214	-289	-238	-100	64	86	20	252	164	358	140	49
Below Normal (17%)	-325	-299	-207	-223	-120	-157	-65	124	146	292	41	-258
Dry (22%)	-145	-175	-81	-120	-111	-81	0	210	294	335	105	-139
Critical (15%)	-73	-105	-187	-41	-97	-59	88	194	252	283	83	-61

Table 16-2b. CVP, SWP, and Sites Project Facilities Net Generation, Alternative 1B 011221, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-25	-47	287	407	396	532	169	544	346	458	176	141
20%	-67	-151	21	84	208	305	117	350	306	380	151	96
30%	-110	-215	-106	-8	33	83	91	306	250	337	115	78
40%	-145	-237	-158	-55	-44	-5	72	261	233	284	92	44
50%	-167	-256	-201	-93	-89	-58	35	218	213	239	47	-48
60%	-215	-304	-240	-116	-111	-95	5	197	182	195	24	-128
70%	-248	-325	-292	-149	-142	-146	-33	163	153	175	-14	-211
80%	-326	-349	-376	-184	-210	-224	-93	115	98	130	-44	-265
90%	-398	-413	-444	-314	-282	-286	-126	63	53	65	-87	-325
Long Term												
Full Simulation Period[a]	-191	-245	-138	-41	-16	21	41	245	214	248	47	-74
Water Year Types[b,c]												
Wet (32%)	-100	-239	-67	169	136	247	111	369	225	245	96	97
Above Normal (15%)	-208	-292	-236	-138	35	46	16	248	152	358	148	59
Below Normal (17%)	-332	-330	-215	-237	-136	-187	-59	119	137	291	39	-252
Dry (22%)	-259	-230	-69	-125	-118	-106	-2	205	276	209	-18	-207
Critical (15%)	-105	-135	-208	-45	-101	-59	91	183	247	150	-51	-167

Table 16-2c. CVP, SWP, and Sites Project Facilities Net Generation, Alternative 1B 011221 minus No Action Alternative 011221, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-6	-19	61	-17	-47	-38	-25	-2	-13	-1	-24	7
20%	-18	-50	-22	-20	-33	0	-28	-8	-6	-51	-18	6
30%	-25	-38	-17	-6	0	-35	6	-11	-10	-42	-37	5
40%	-32	-25	-3	-6	-7	-18	-1	0	-11	-52	-29	5
50%	-17	-16	-22	-23	-26	-25	-4	-6	-8	-72	-45	-27
60%	-46	-34	-8	-20	-4	2	1	3	-10	-75	-56	-53
70%	-24	-15	-6	-1	-10	-19	3	-3	-5	-43	-60	-86
80%	-45	-2	-11	-4	-10	-20	-1	-9	-17	-62	-58	-61
90%	-15	-17	10	-34	-2	-11	1	-12	1	-55	-71	-40
Long Term												
Full Simulation Period[a]	-29	-24	-2	-15	-19	-23	-7	-6	-10	-47	-45	-27
Water Year Types[b,c]												
Wet (32%)	3	-7	-2	-16	-30	-21	-22	-6	-7	-1	3	5
Above Normal (15%)	6	-3	3	-38	-29	-40	-4	-4	-12	0	8	9
Below Normal (17%)	-7	-31	-8	-14	-16	-30	5	-5	-9	-1	-3	6
Dry (22%)	-114	-55	12	-5	-7	-25	-2	-5	-18	-126	-123	-68
Critical (15%)	-32	-30	-21	-4	-4	0	3	-11	-6	-133	-134	-106

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 16-3a. CVP, SWP, and Sites Project Facilities Net Generation, No Action Alternative 011221, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-19	-27	226	424	443	570	194	546	360	458	200	133
20%	-48	-101	43	104	241	305	144	358	312	432	169	90
30%	-85	-176	-89	-2	33	118	86	317	261	378	151	73
40%	-112	-212	-155	-49	-37	13	73	262	244	337	121	39
50%	-150	-239	-179	-70	-63	-33	39	223	220	311	92	-21
60%	-169	-270	-232	-96	-106	-96	5	194	193	270	80	-75
70%	-224	-309	-286	-148	-132	-126	-36	165	158	218	45	-125
80%	-281	-347	-365	-180	-200	-204	-92	124	115	193	14	-204
90%	-383	-396	-454	-281	-280	-275	-128	75	52	120	-17	-285
Long Term												
Full Simulation Period[a]	-162	-221	-136	-26	3	45	47	251	224	295	92	-47
Water Year Types[b,c]												
Wet (32%)	-104	-232	-65	186	166	269	134	375	233	246	93	91
Above Normal (15%)	-214	-289	-238	-100	64	86	20	252	164	358	140	49
Below Normal (17%)	-325	-299	-207	-223	-120	-157	-65	124	146	292	41	-258
Dry (22%)	-145	-175	-81	-120	-111	-81	0	210	294	335	105	-139
Critical (15%)	-73	-105	-187	-41	-97	-59	88	194	252	283	83	-61

Table 16-3b. CVP, SWP, and Sites Project Facilities Net Generation, Alternative 2 011221, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-16	-51	226	321	397	529	168	548	346	455	177	140
20%	-63	-135	20	85	223	305	129	354	305	380	151	98
30%	-99	-211	-105	-13	29	87	92	309	252	336	116	77
40%	-142	-236	-159	-55	-45	-4	72	258	239	278	95	36
50%	-168	-261	-201	-83	-93	-52	35	218	218	240	42	-49
60%	-206	-307	-246	-115	-117	-100	7	196	174	196	23	-131
70%	-245	-333	-291	-153	-147	-145	-35	172	155	169	-4	-209
80%	-331	-354	-386	-180	-210	-222	-86	132	110	130	-38	-262
90%	-396	-405	-446	-313	-285	-285	-128	62	63	69	-87	-313
Long Term												
Full Simulation Period[a]	-186	-244	-143	-44	-14	24	42	248	216	247	47	-73
Water Year Types[b,c]												
Wet (32%)	-100	-236	-67	160	146	252	116	372	226	245	97	97
Above Normal (15%)	-209	-291	-240	-139	36	46	15	247	157	360	145	56
Below Normal (17%)	-341	-345	-217	-237	-141	-183	-60	128	145	289	37	-255
Dry (22%)	-238	-220	-88	-125	-120	-104	0	207	276	202	-28	-210
Critical (15%)	-92	-134	-205	-43	-100	-57	92	184	248	156	-35	-154

Table 16-3c. CVP, SWP, and Sites Project Facilities Net Generation, Alternative 2 011221 minus No Action Alternative 011221, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2	-24	0	-103	-46	-41	-26	2	-14	-3	-23	7
20%	-15	-34	-22	-20	-18	0	-16	-4	-6	-52	-18	8
30%	-14	-34	-16	-12	-3	-31	6	-8	-9	-42	-36	4
40%	-30	-24	-4	-6	-8	-17	0	-4	-5	-59	-26	-3
50%	-18	-22	-22	-13	-30	-18	-4	-6	-3	-71	-50	-28
60%	-37	-37	-15	-19	-11	-4	2	3	-18	-74	-57	-55
70%	-21	-24	-4	-5	-14	-19	1	6	-3	-49	-50	-84
80%	-49	-7	-21	0	-10	-19	6	8	-4	-63	-52	-58
90%	-13	-9	8	-32	-5	-10	0	-13	12	-52	-70	-28
Long Term												
Full Simulation Period[a]	-24	-24	-7	-17	-17	-20	-5	-3	-8	-48	-45	-26
Water Year Types[b,c]												
Wet (32%)	3	-5	-2	-25	-21	-17	-18	-3	-6	0	4	6
Above Normal (15%)	5	-2	-2	-39	-28	-40	-5	-4	-7	2	5	7
Below Normal (17%)	-17	-46	-10	-14	-21	-25	4	3	-1	-3	-5	2
Dry (22%)	-93	-45	-6	-4	-9	-23	0	-2	-17	-133	-133	-71
Critical (15%)	-18	-28	-18	-2	-4	2	4	-9	-5	-127	-118	-94

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 16-4a. CVP, SWP, and Sites Project Facilities Net Generation, No Action Alternative 011221, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-19	-27	226	424	443	570	194	546	360	458	200	133
20%	-48	-101	43	104	241	305	144	358	312	432	169	90
30%	-85	-176	-89	-2	33	118	86	317	261	378	151	73
40%	-112	-212	-155	-49	-37	13	73	262	244	337	121	39
50%	-150	-239	-179	-70	-63	-33	39	223	220	311	92	-21
60%	-169	-270	-232	-96	-106	-96	5	194	193	270	80	-75
70%	-224	-309	-286	-148	-132	-126	-36	165	158	218	45	-125
80%	-281	-347	-365	-180	-200	-204	-92	124	115	193	14	-204
90%	-383	-396	-454	-281	-280	-275	-128	75	52	120	-17	-285
Long Term												
Full Simulation Period[a]	-162	-221	-136	-26	3	45	47	251	224	295	92	-47
Water Year Types[b,c]												
Wet (32%)	-104	-232	-65	186	166	269	134	375	233	246	93	91
Above Normal (15%)	-214	-289	-238	-100	64	86	20	252	164	358	140	49
Below Normal (17%)	-325	-299	-207	-223	-120	-157	-65	124	146	292	41	-258
Dry (22%)	-145	-175	-81	-120	-111	-81	0	210	294	335	105	-139
Critical (15%)	-73	-105	-187	-41	-97	-59	88	194	252	283	83	-61

Table 16-4b. CVP, SWP, and Sites Project Facilities Net Generation, Alternative 3 020121, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-3	-55	218	296	393	504	170	532	346	458	177	137
20%	-47	-119	23	99	228	304	120	355	306	385	153	103
30%	-81	-206	-96	-8	24	89	79	302	256	339	128	76
40%	-129	-228	-158	-53	-47	-3	60	252	229	293	99	41
50%	-166	-250	-192	-93	-86	-50	39	216	206	240	61	-42
60%	-209	-279	-248	-119	-112	-107	5	194	175	203	36	-110
70%	-239	-317	-281	-168	-147	-156	-26	166	147	173	-8	-176
80%	-307	-347	-372	-205	-204	-230	-83	128	103	126	-33	-258
90%	-397	-408	-430	-320	-286	-292	-126	71	62	59	-85	-310
Long Term												
Full Simulation Period[a]	-177	-237	-137	-45	-15	15	39	246	213	251	54	-65
Water Year Types[b,c]												
Wet (32%)	-98	-238	-65	160	141	236	103	370	226	245	98	97
Above Normal (15%)	-214	-289	-232	-147	42	36	15	246	147	346	132	61
Below Normal (17%)	-323	-321	-192	-235	-139	-199	-51	129	135	291	44	-247
Dry (22%)	-227	-208	-91	-126	-124	-102	0	196	273	222	5	-197
Critical (15%)	-69	-126	-201	-43	-103	-58	90	185	251	165	-32	-130

Table 16-4c. CVP, SWP, and Sites Project Facilities Net Generation, Alternative 3 020121 minus No Action Alternative 011221, Monthly Generation (GWh)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	16	-28	-7	-129	-50	-66	-24	-14	-14	0	-23	4
20%	2	-18	-20	-5	-13	-1	-25	-3	-6	-46	-16	13
30%	4	-30	-7	-6	-8	-29	-7	-15	-5	-40	-24	4
40%	-16	-16	-3	-4	-10	-16	-12	-10	-15	-44	-22	2
50%	-16	-11	-12	-23	-23	-17	0	-7	-14	-71	-31	-21
60%	-40	-9	-17	-23	-5	-11	1	1	-18	-68	-44	-35
70%	-14	-8	5	-20	-15	-29	10	1	-11	-45	-54	-51
80%	-25	0	-7	-25	-4	-26	9	4	-12	-67	-47	-54
90%	-14	-11	24	-40	-5	-17	2	-4	11	-61	-68	-25
Long Term												
Full Simulation Period[a]	-15	-16	-1	-18	-18	-29	-8	-6	-11	-44	-38	-18
Water Year Types[b,c]												
Wet (32%)	6	-6	0	-25	-25	-33	-31	-5	-7	0	5	5
Above Normal (15%)	0	0	6	-47	-23	-50	-5	-5	-16	-12	-8	11
Below Normal (17%)	2	-22	15	-12	-19	-42	13	5	-11	0	2	11
Dry (22%)	-82	-33	-10	-5	-13	-22	0	-14	-20	-113	-100	-58
Critical (15%)	4	-21	-14	-3	-6	1	2	-9	-1	-118	-114	-69

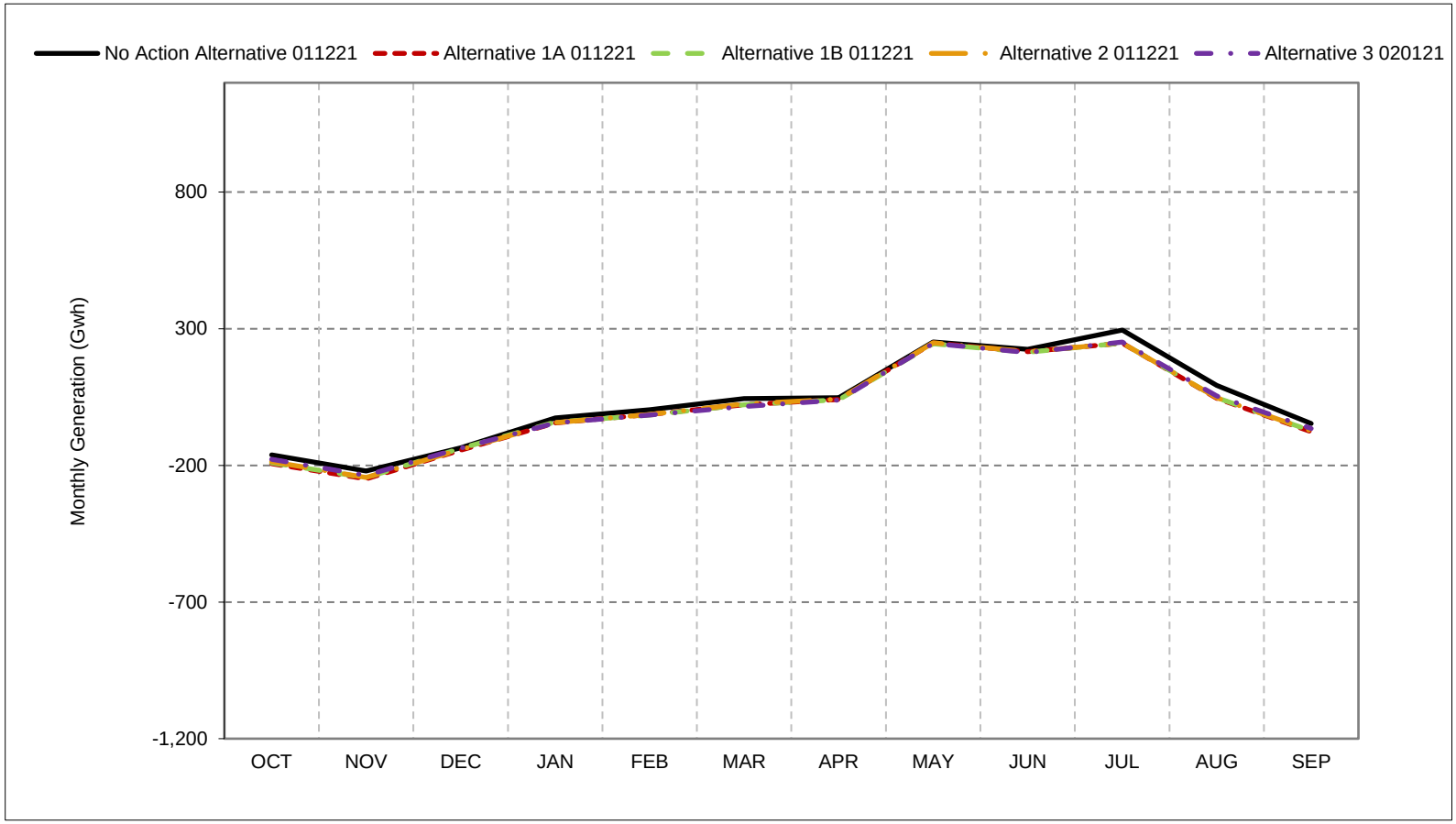
a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 16-1. CVP, SWP, and Sites Project Facilities Net Generation, Long-Term Average Generation

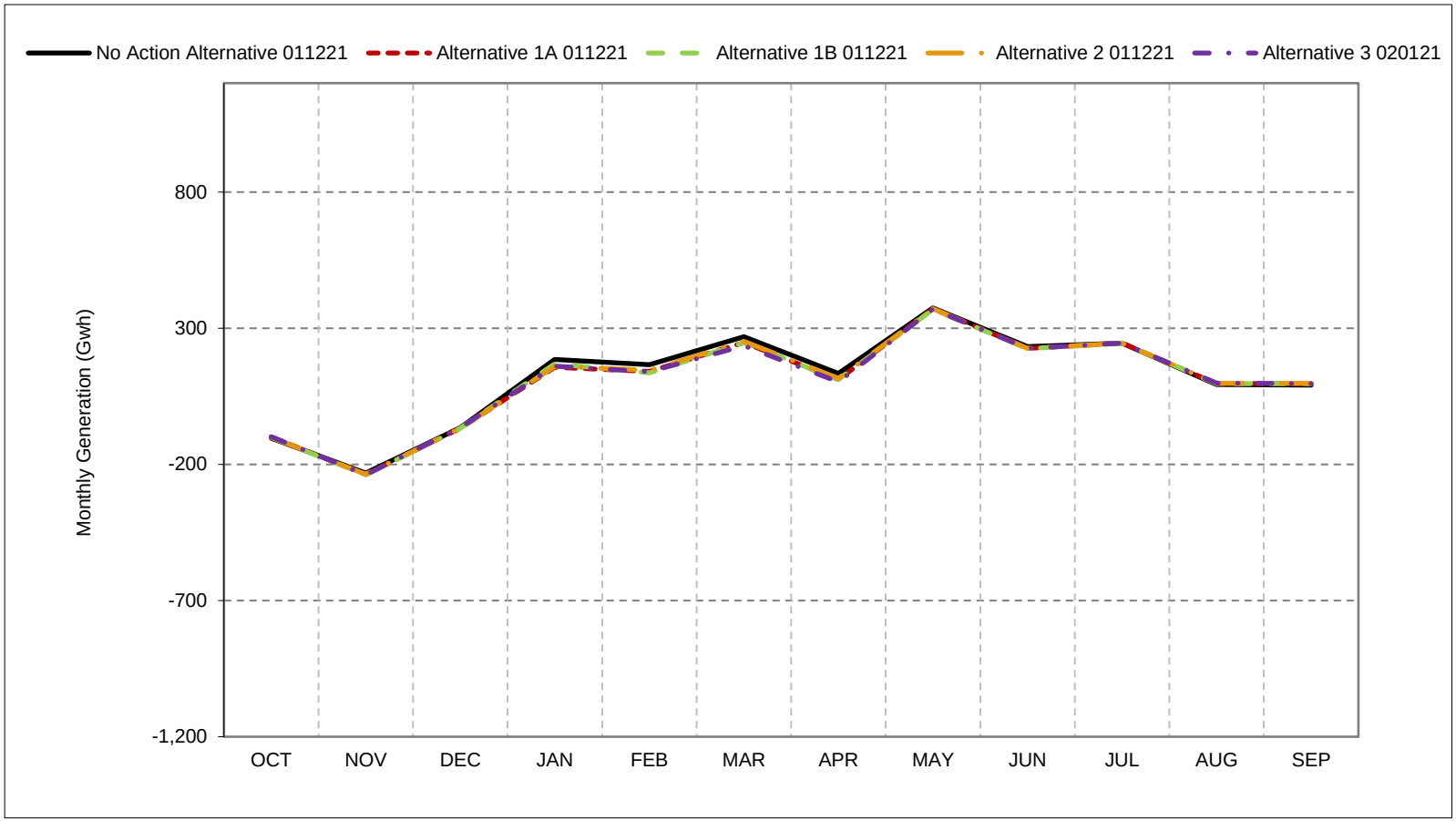


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 16-2. CVP, SWP, and Sites Project Facilities Net Generation, Wet Year Average Generation

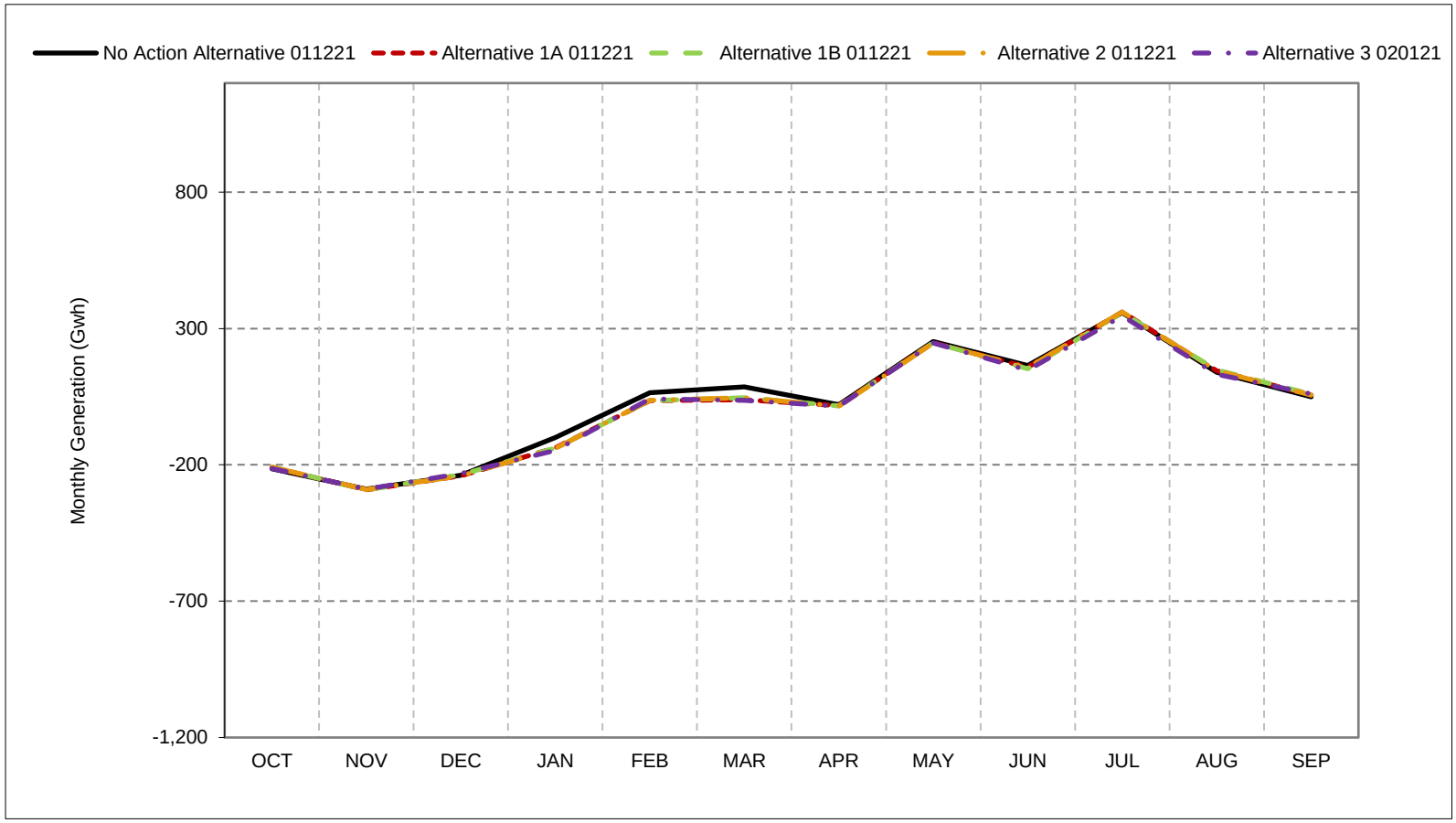


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 16-3. CVP, SWP, and Sites Project Facilities Net Generation, Above Normal Year Average Generation

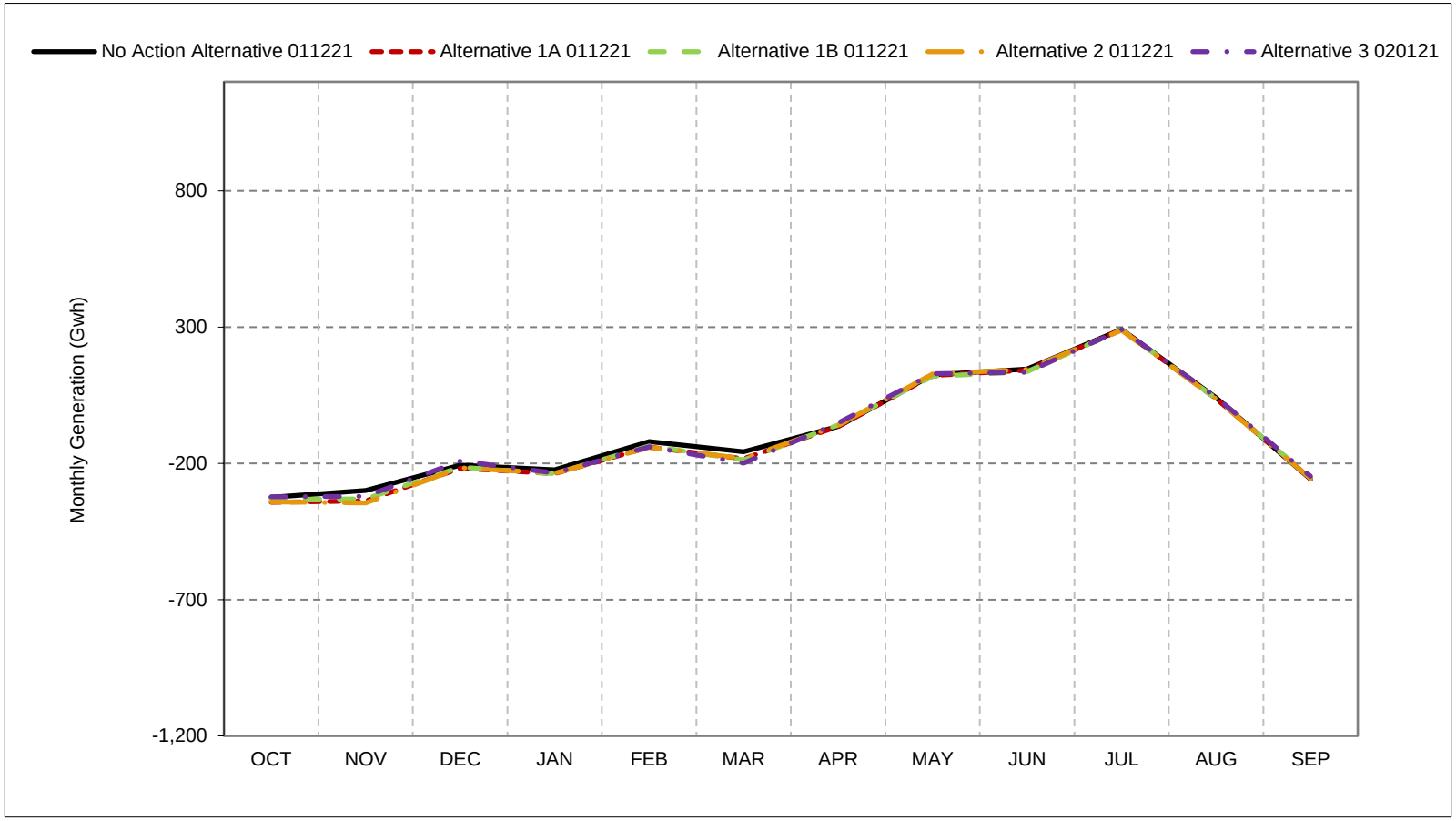


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 16-4. CVP, SWP, and Sites Project Facilities Net Generation, Below Normal Year Average Generation

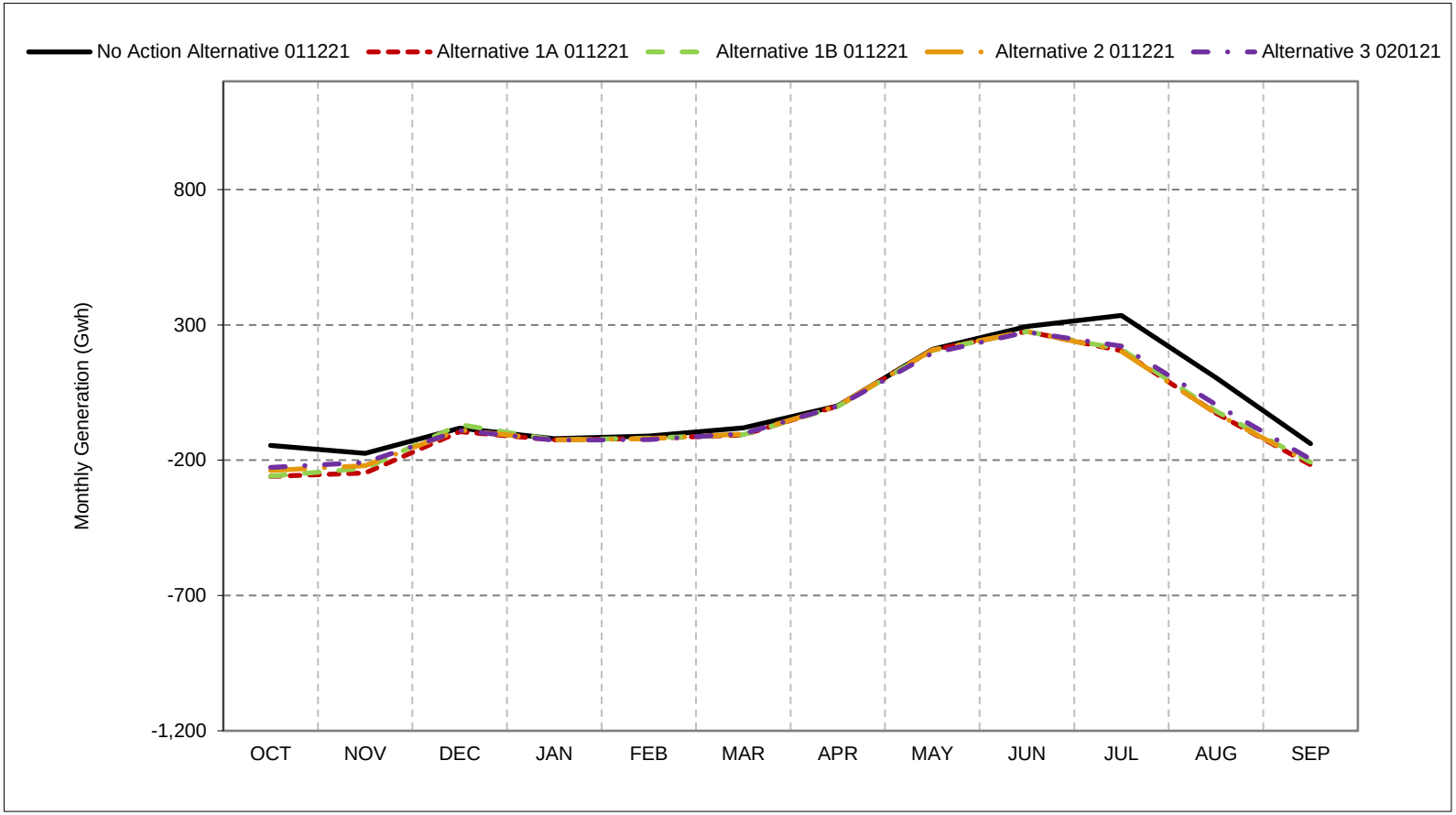


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 16-5. CVP, SWP, and Sites Project Facilities Net Generation, Dry Year Average Generation

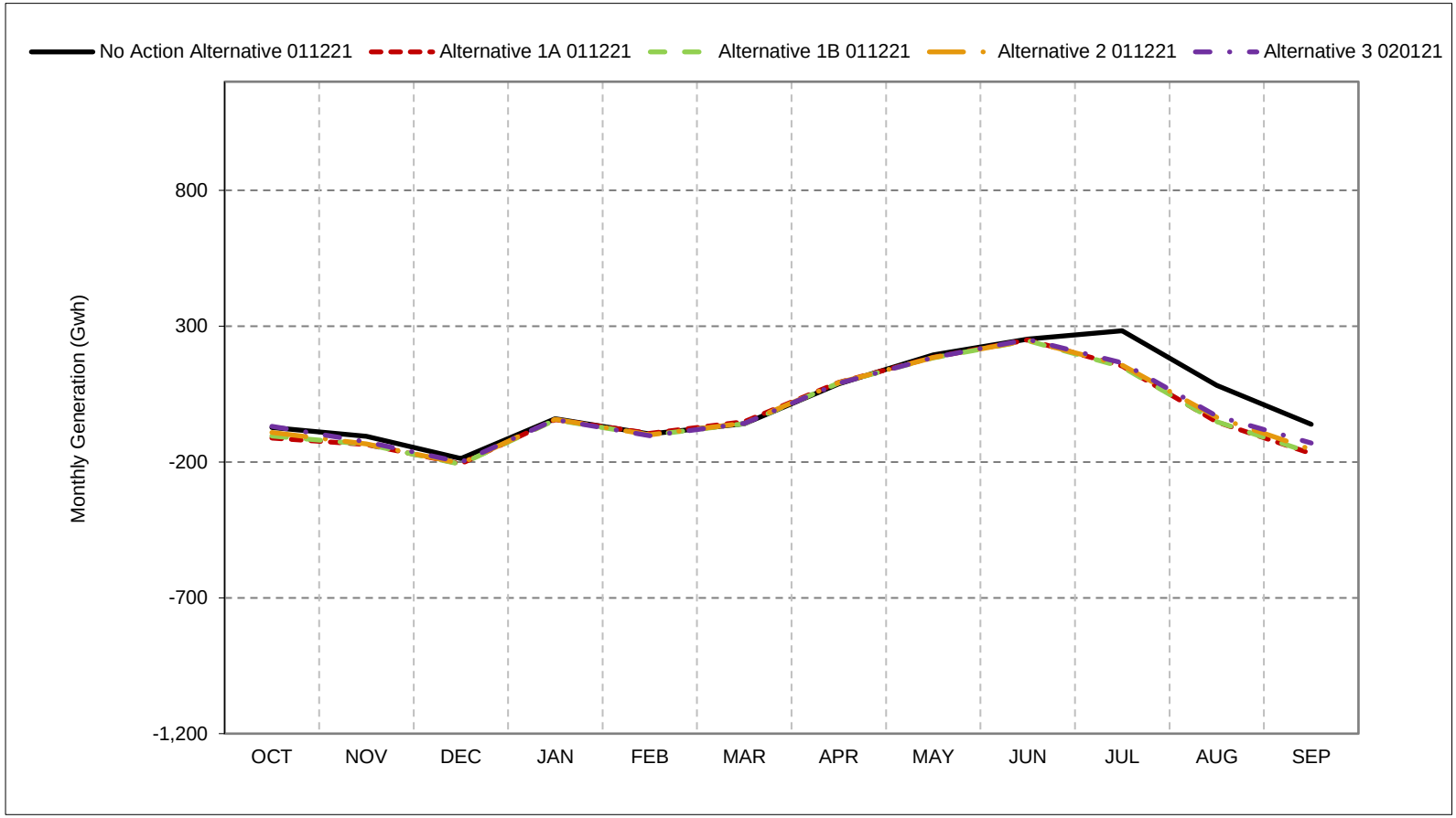


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 16-6. CVP, SWP, and Sites Project Facilities Net Generation, Critical Year Average Generation

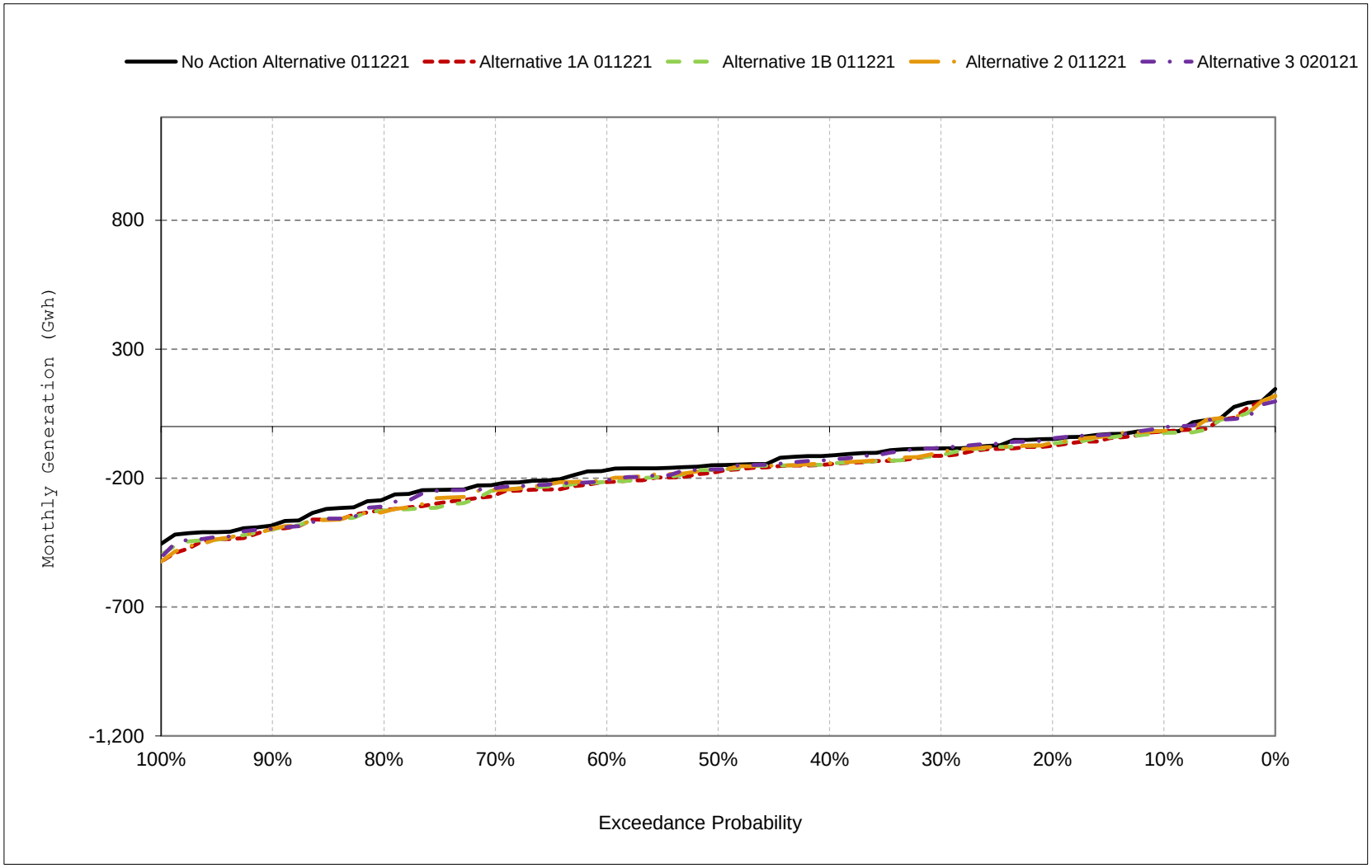


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

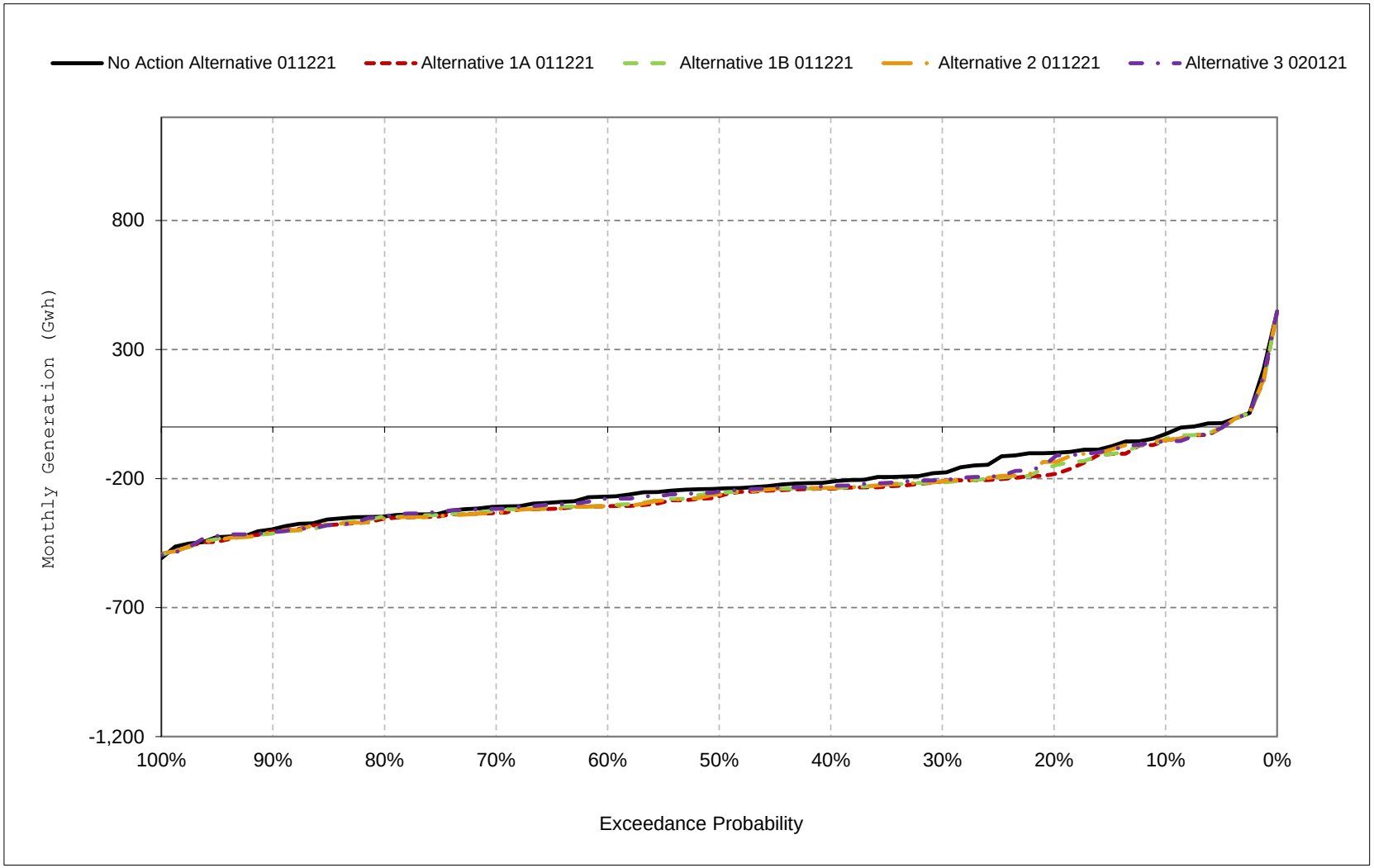
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 16-7. CVP, SWP, and Sites Project Facilities Net Generation, October



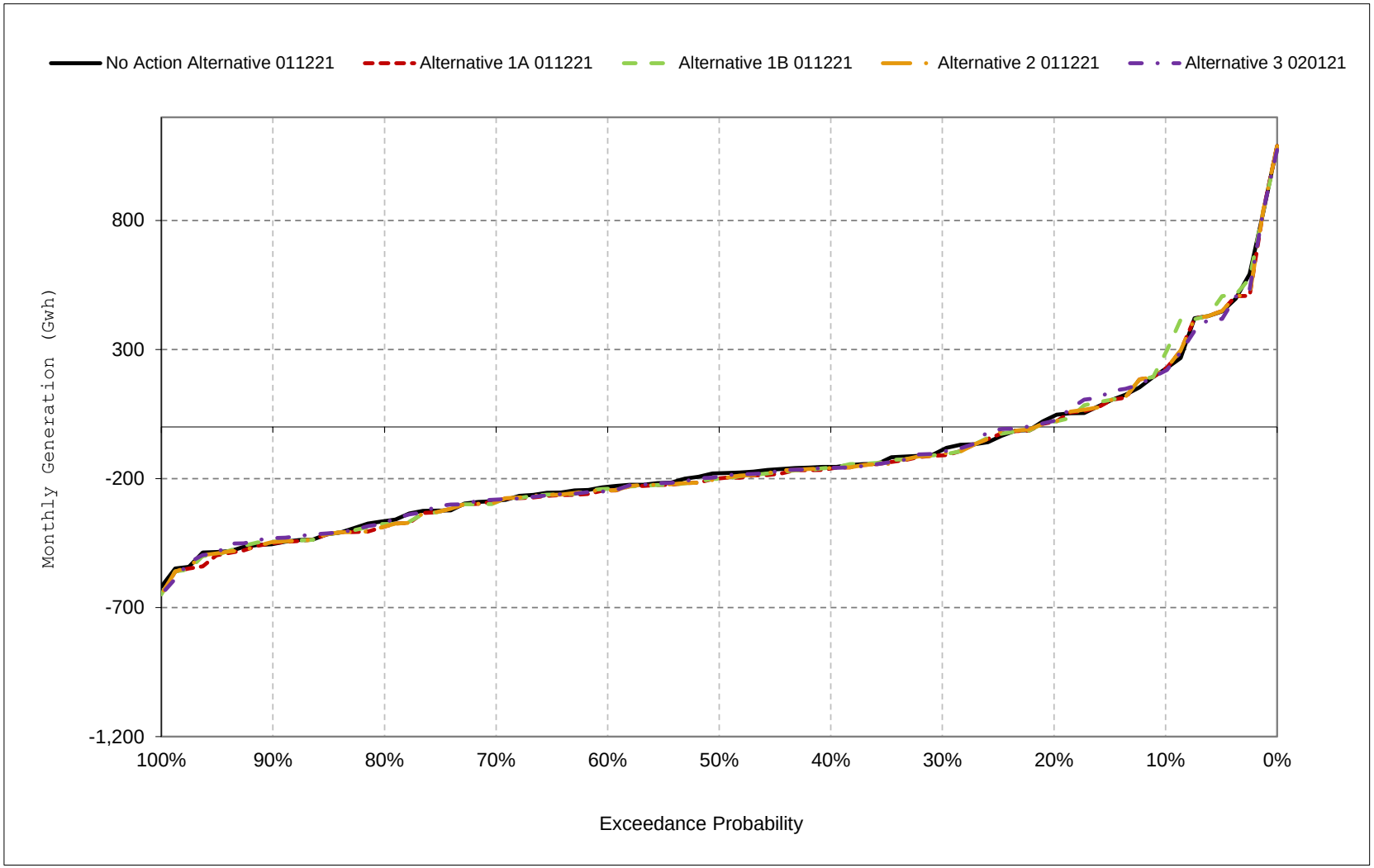
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 16-8. CVP, SWP, and Sites Project Facilities Net Generation, November



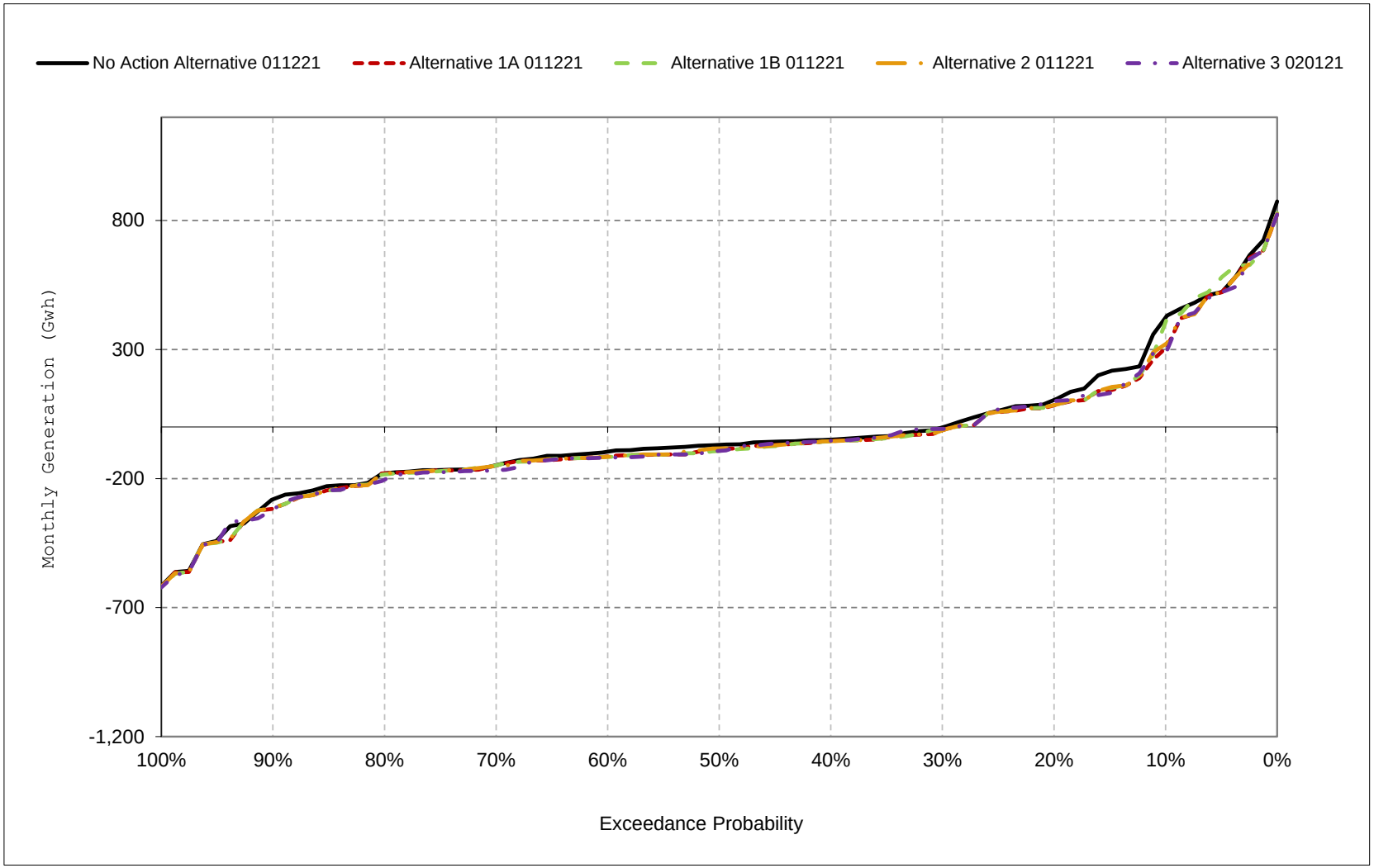
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 16-9. CVP, SWP, and Sites Project Facilities Net Generation, December



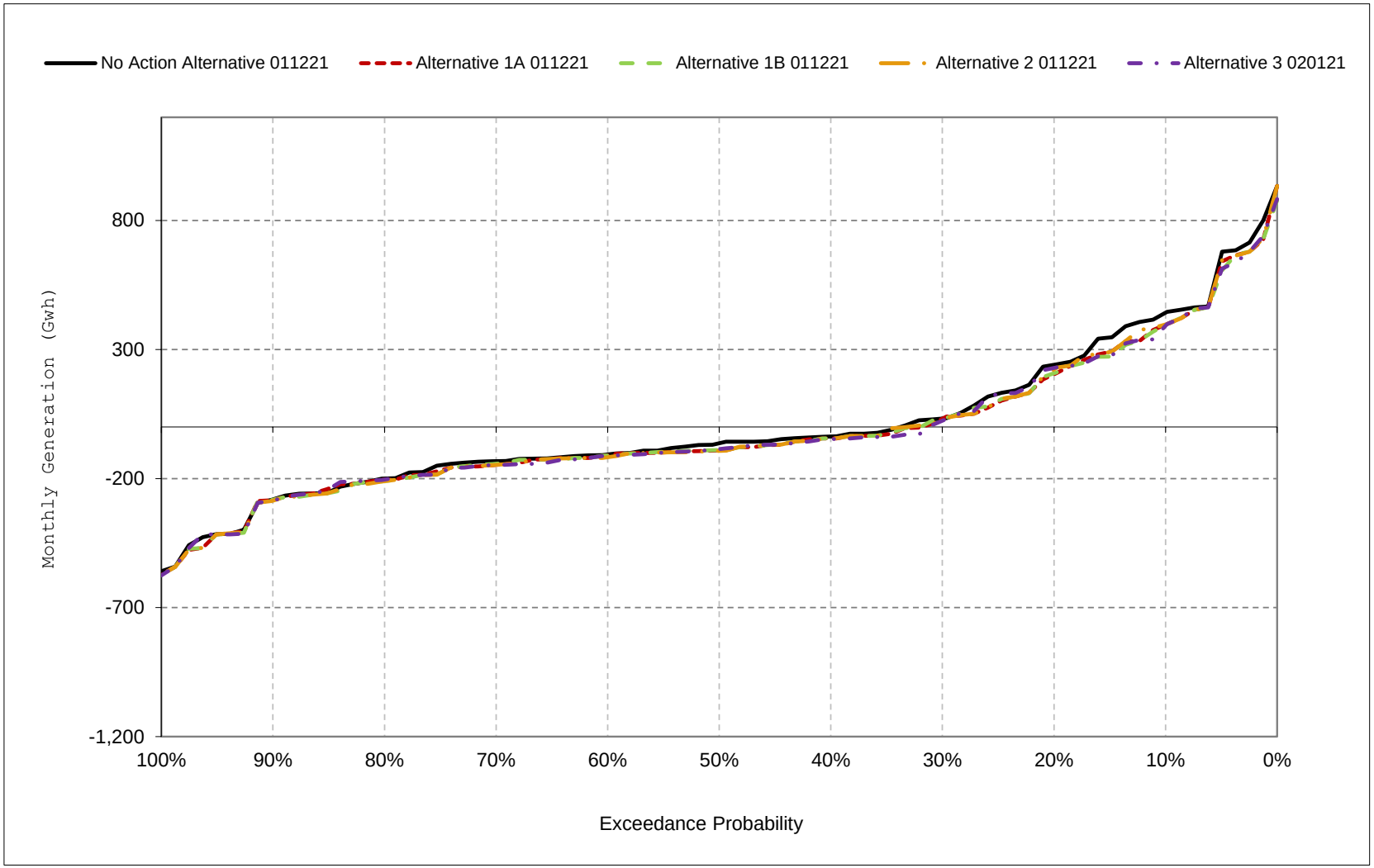
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 16-10. CVP, SWP, and Sites Project Facilities Net Generation, January



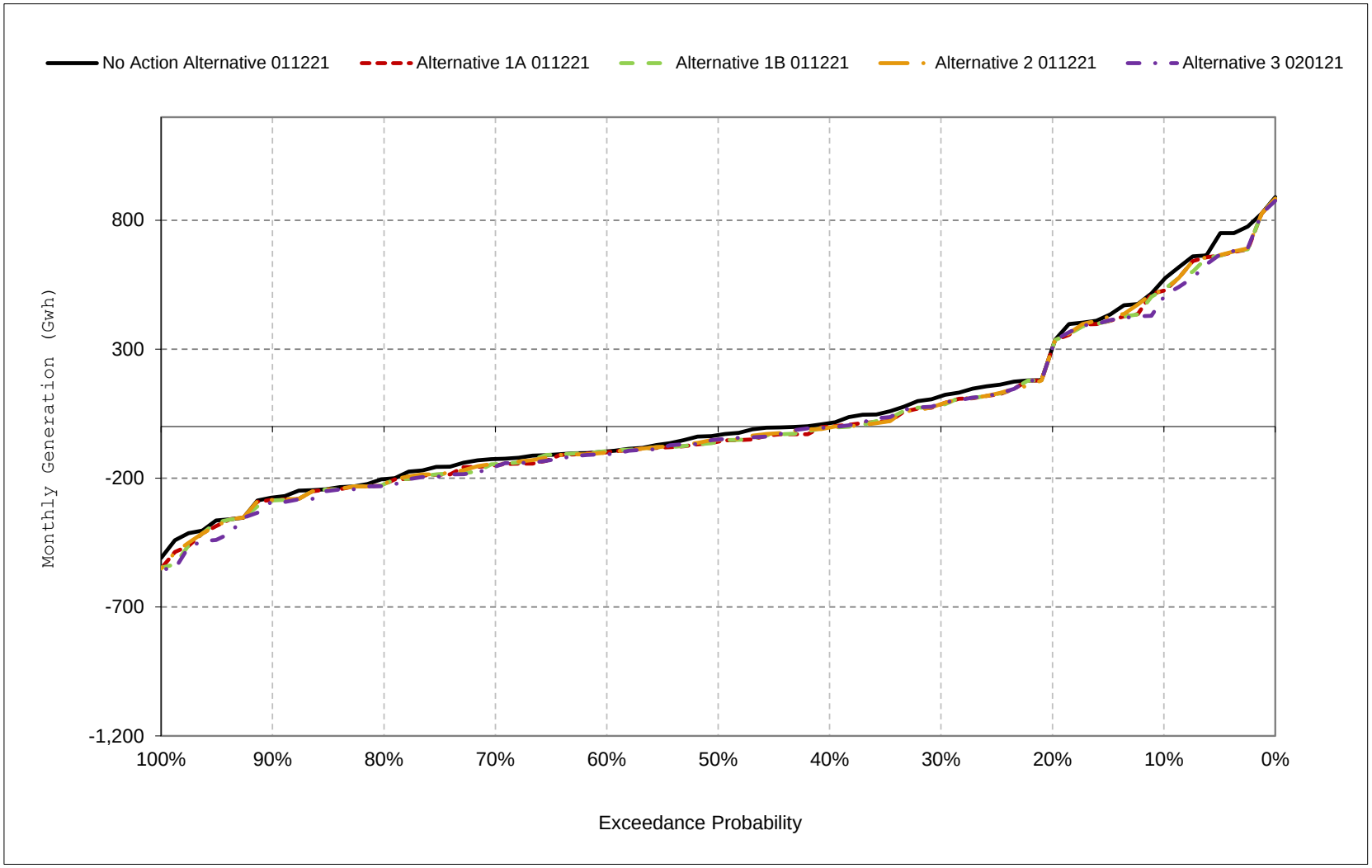
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 16-11. CVP, SWP, and Sites Project Facilities Net Generation, February



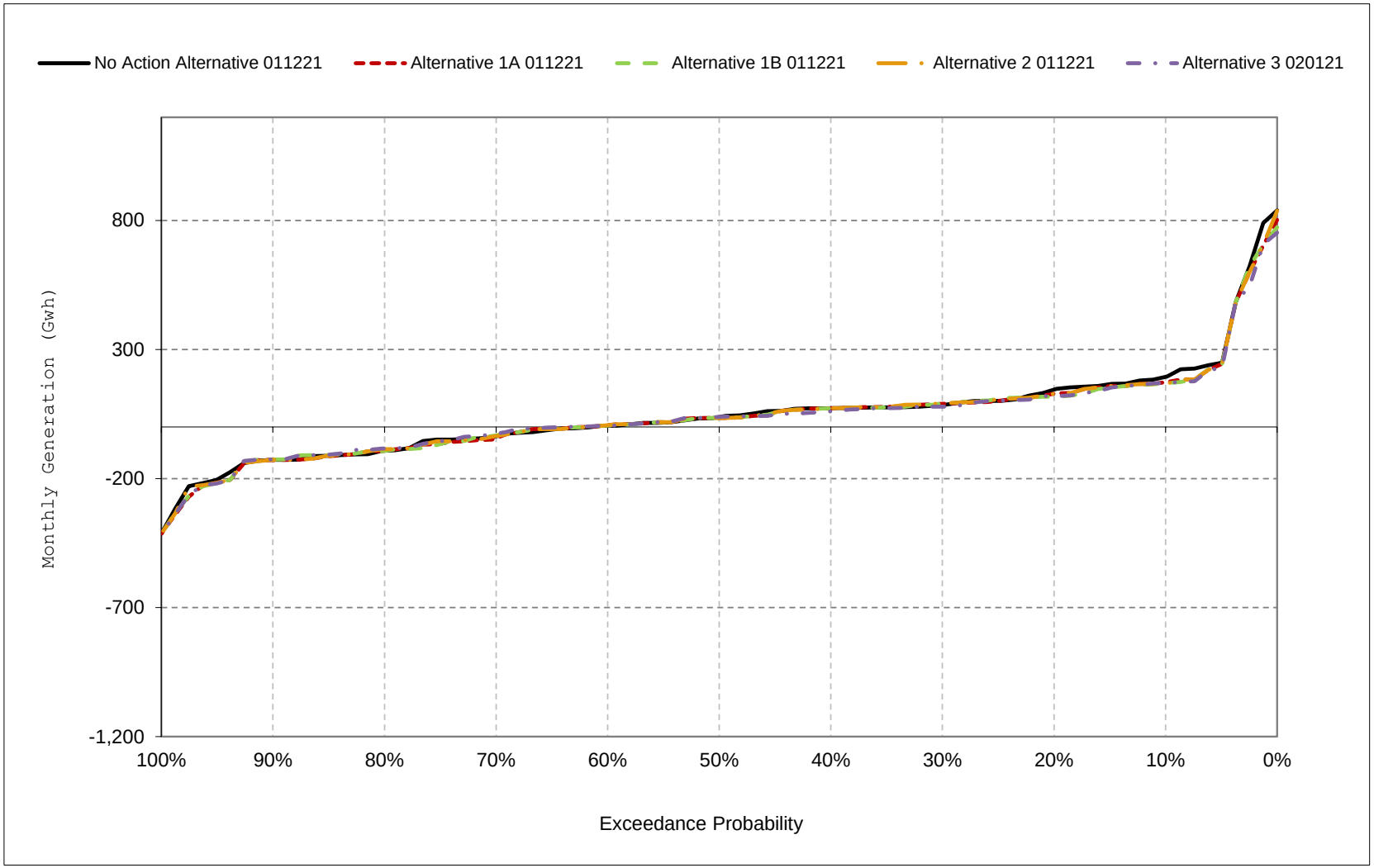
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 16-12. CVP, SWP, and Sites Project Facilities Net Generation, March



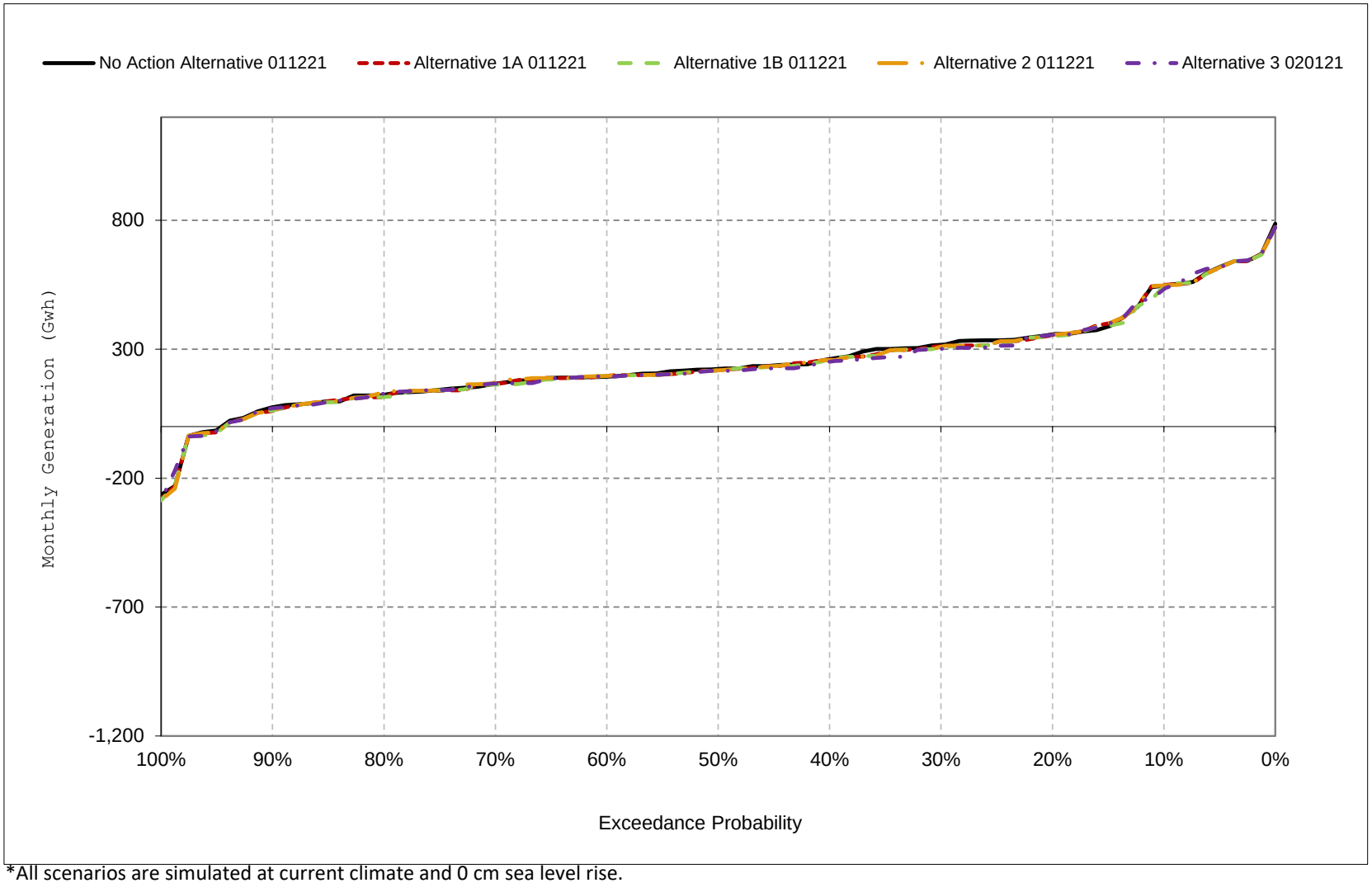
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 16-13. CVP, SWP, and Sites Project Facilities Net Generation, April



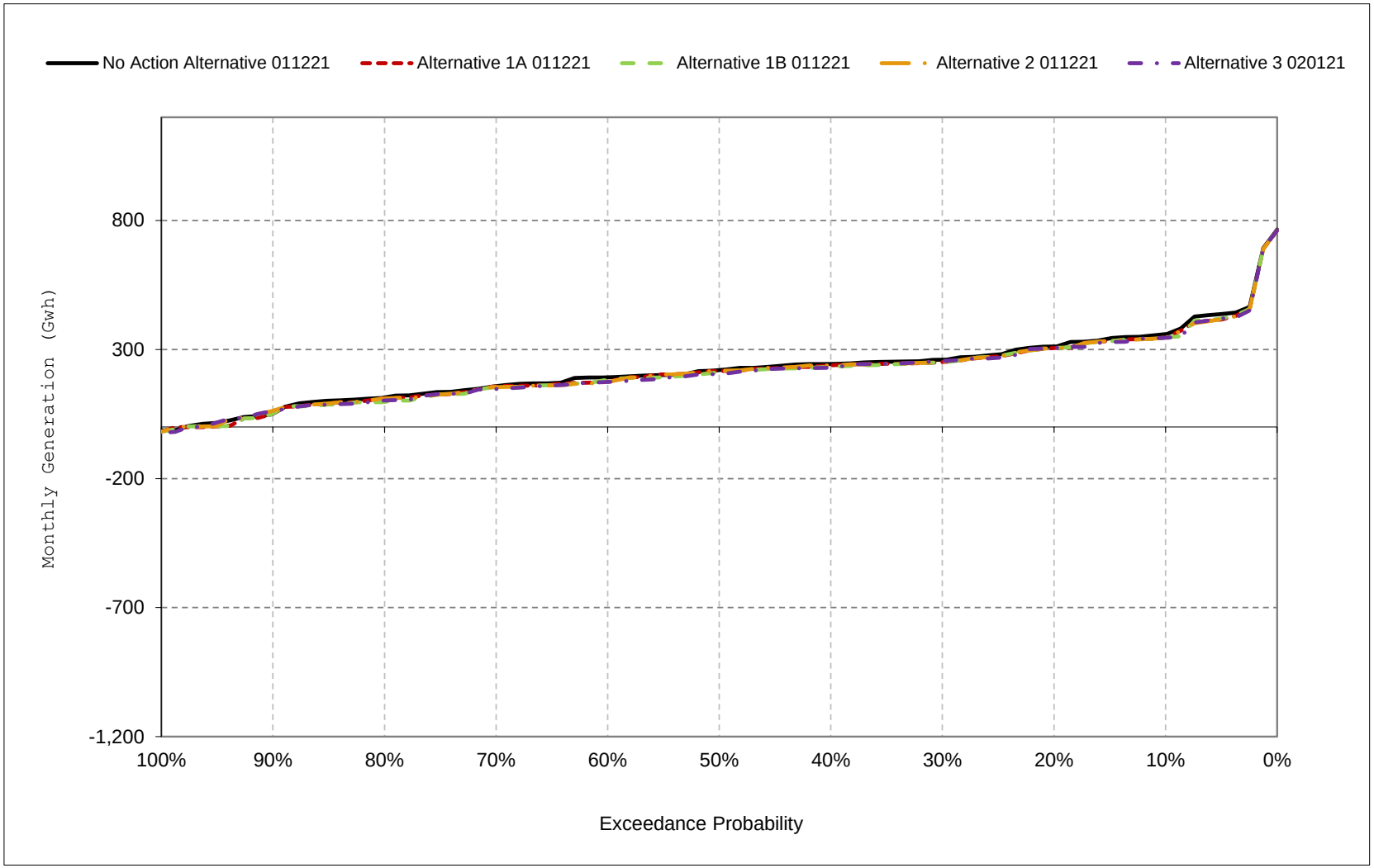
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 16-14. CVP, SWP, and Sites Project Facilities Net Generation, May



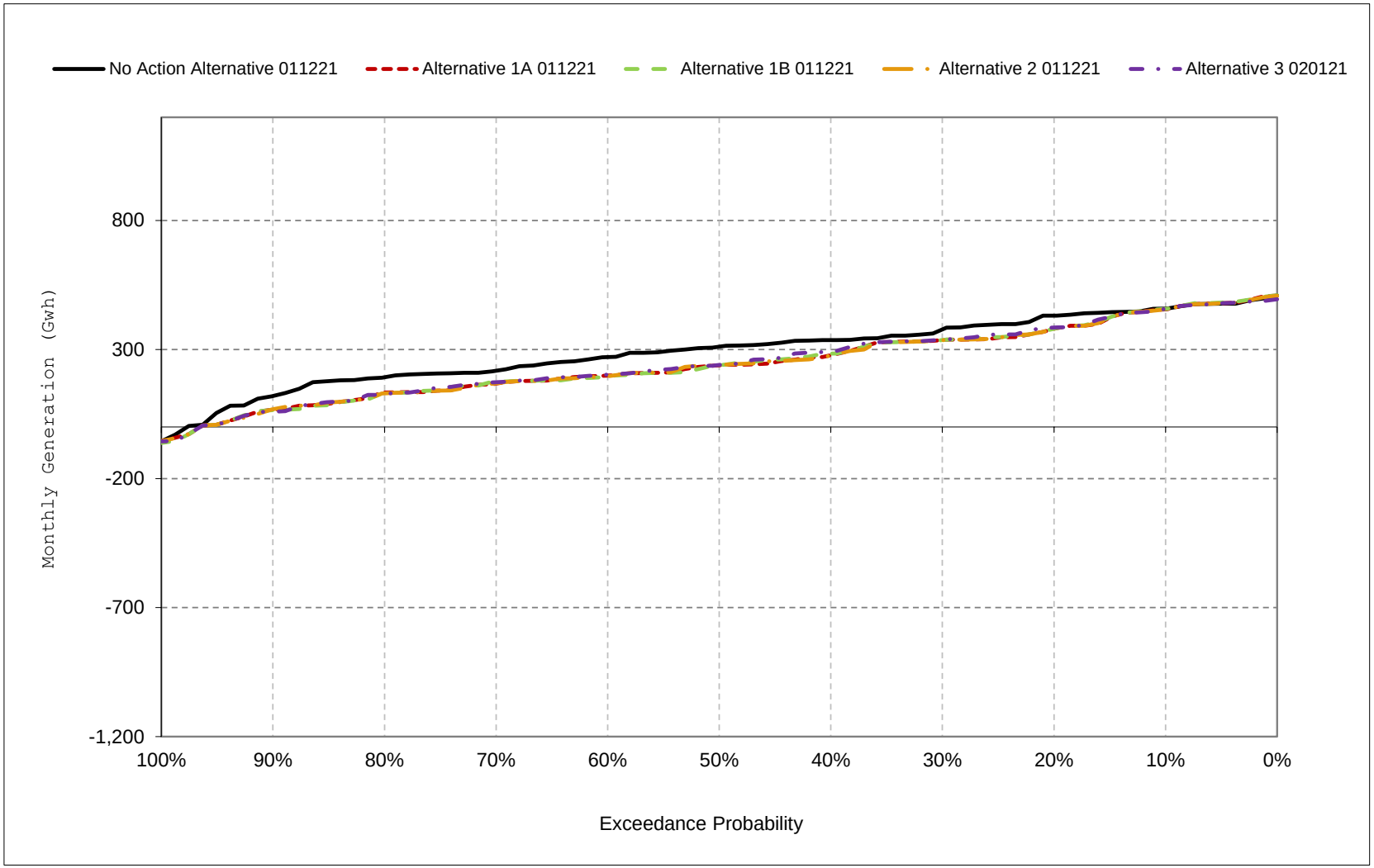
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 16-15. CVP, SWP, and Sites Project Facilities Net Generation, June



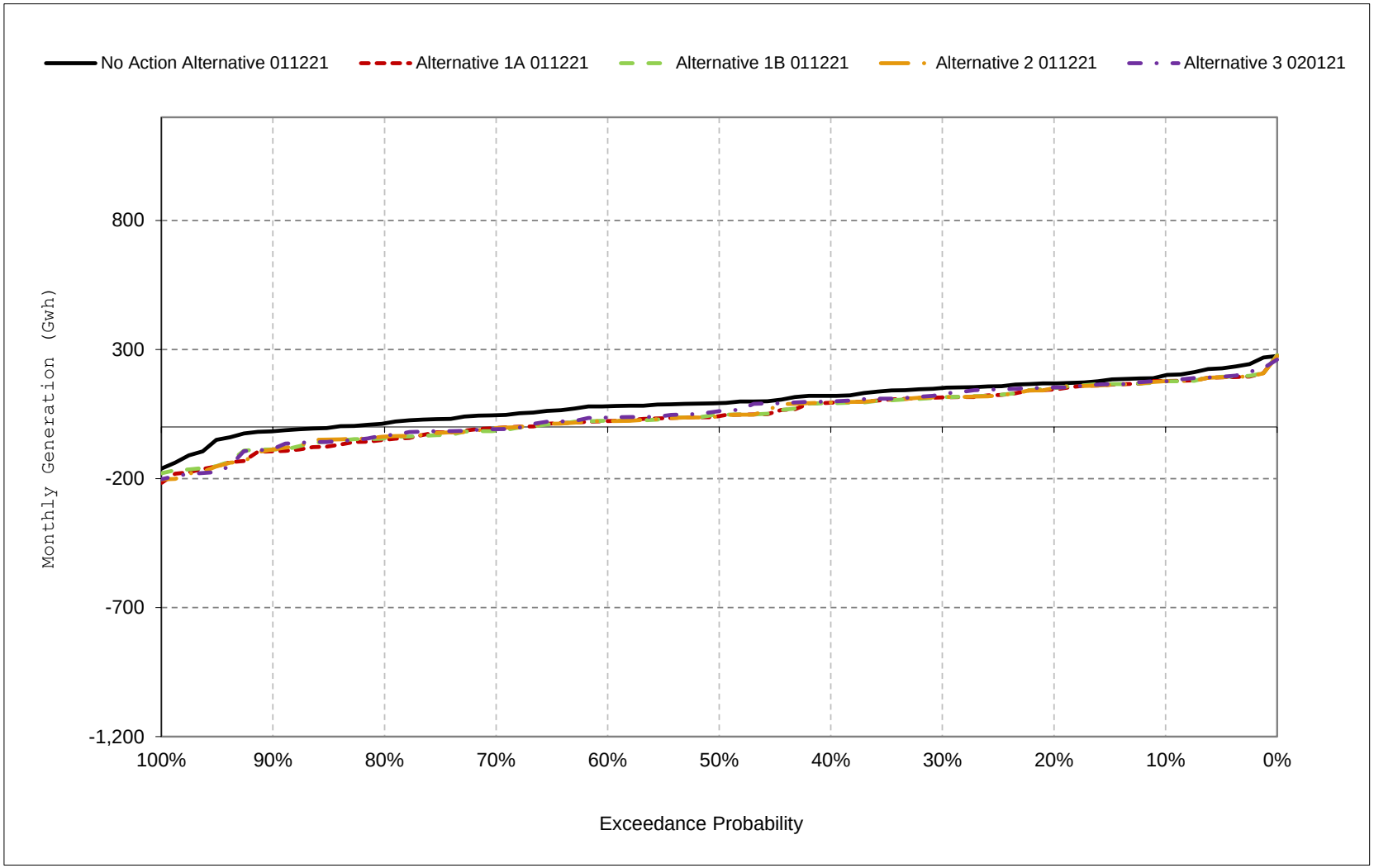
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 16-16. CVP, SWP, and Sites Project Facilities Net Generation, July



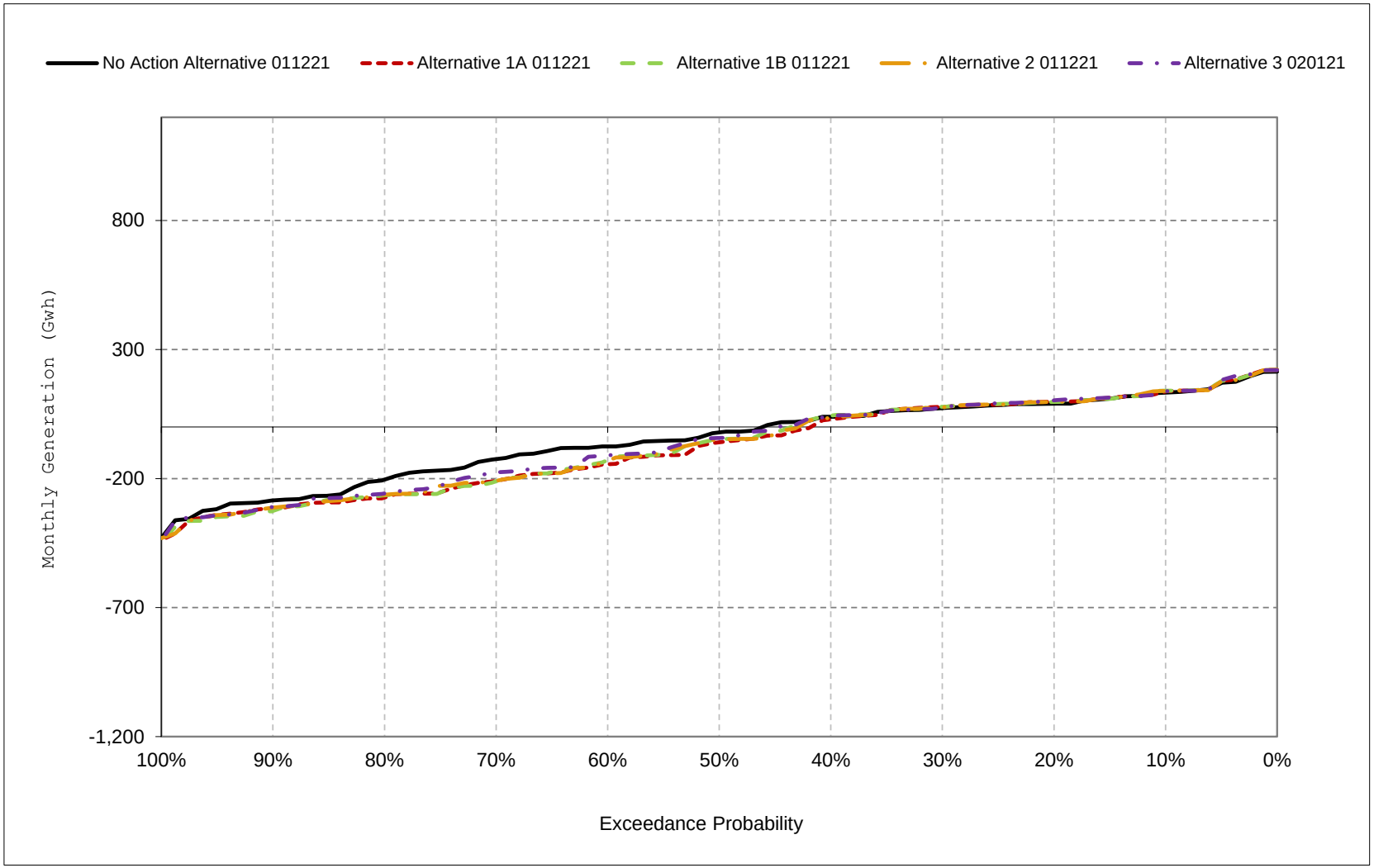
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 16-17. CVP, SWP, and Sites Project Facilities Net Generation, August



*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 16-18. CVP, SWP, and Sites Project Facilities Net Generation, September



*All scenarios are simulated at current climate and 0 cm sea level rise.

Table 17-1a. CVP, SWP, and Sites Project Facilities Net Revenue, No Action Alternative 011221, Monthly Revenue (1000)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	255	-1,071	13,724	26,838	24,475	28,454	8,804	23,621	16,765	26,087	13,313	9,989
20%	-1,432	-4,967	2,970	6,505	13,220	14,976	6,433	14,600	14,621	24,567	11,951	7,383
30%	-3,329	-8,823	-4,613	173	1,631	5,792	3,912	13,149	12,045	21,448	10,673	6,203
40%	-4,660	-10,895	-8,040	-2,732	-2,164	61	3,097	11,148	10,800	19,077	9,000	3,957
50%	-6,782	-12,165	-9,627	-3,788	-3,647	-1,956	1,445	9,327	9,697	17,661	7,065	-560
60%	-7,829	-13,725	-12,650	-5,481	-6,022	-5,262	-419	7,849	8,399	15,351	6,051	-3,036
70%	-10,659	-15,840	-15,619	-8,630	-7,494	-7,121	-2,261	6,245	6,884	12,359	3,916	-5,698
80%	-13,521	-17,763	-19,768	-10,536	-11,377	-10,918	-5,275	4,375	4,503	10,920	2,550	-10,492
90%	-18,925	-20,412	-24,905	-16,515	-15,758	-14,384	-7,029	1,984	1,396	6,854	386	-14,797
Long Term												
Full Simulation Period[a]	-7,438	-11,149	-6,973	-1,106	-1	1,704	1,713	10,295	9,943	16,792	7,033	-1,009
Water Year Types[b,c]												
Wet (32%)	-4,172	-11,564	-2,774	11,964	9,026	12,927	5,792	15,654	10,206	14,060	7,387	7,562
Above Normal (15%)	-9,966	-14,664	-12,693	-5,554	3,358	3,735	336	10,205	6,913	20,359	10,198	5,046
Below Normal (17%)	-15,752	-15,325	-10,918	-13,064	-6,855	-8,559	-3,836	4,306	6,035	16,603	4,164	-13,099
Dry (22%)	-6,770	-8,853	-4,000	-6,977	-6,301	-4,522	-493	8,626	13,441	19,013	7,455	-6,870
Critical (15%)	-3,293	-5,307	-10,206	-2,221	-5,474	-3,333	4,036	8,265	11,716	16,035	5,816	-2,739

Table 17-1b. CVP, SWP, and Sites Project Facilities Net Revenue, Alternative 1A 011221, Monthly Revenue (1000)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	12	-2,513	13,750	19,023	21,822	26,272	8,337	23,996	16,206	25,911	12,568	9,962
20%	-2,689	-9,207	1,690	5,396	11,071	14,956	5,831	14,688	13,674	21,553	10,580	7,878
30%	-5,325	-10,671	-5,112	-497	1,711	3,965	4,054	12,561	11,425	19,115	8,653	6,609
40%	-6,442	-12,024	-8,322	-3,139	-2,547	-493	2,960	11,116	10,641	15,852	7,400	3,847
50%	-8,156	-13,522	-10,829	-5,055	-5,197	-3,287	1,244	9,061	9,486	13,591	4,143	-2,185
60%	-10,073	-15,642	-13,317	-6,591	-6,254	-5,446	-416	7,823	7,733	11,336	2,510	-7,341
70%	-12,800	-17,043	-15,677	-8,552	-8,285	-8,120	-2,706	6,319	6,470	9,609	1,303	-11,129
80%	-15,520	-18,338	-21,080	-10,567	-11,608	-11,962	-5,270	4,039	4,330	7,635	-1,476	-14,075
90%	-19,399	-20,807	-24,707	-18,431	-15,863	-15,235	-7,053	1,673	1,425	3,834	-4,263	-16,524
Long Term												
Full Simulation Period[a]	-9,027	-12,659	-7,460	-2,200	-934	544	1,382	10,146	9,561	14,091	4,219	-2,663
Water Year Types[b,c]												
Wet (32%)	-3,944	-11,815	-2,918	10,253	7,667	11,824	4,702	15,533	9,879	14,042	7,627	7,861
Above Normal (15%)	-9,701	-14,788	-12,814	-7,759	1,785	1,301	183	10,026	6,625	20,491	10,496	5,424
Below Normal (17%)	-16,649	-17,349	-11,558	-13,879	-7,956	-9,849	-3,824	4,237	5,839	16,528	4,000	-12,977
Dry (22%)	-12,522	-12,633	-4,716	-7,268	-6,787	-5,837	-492	8,520	12,596	11,597	-383	-11,159
Critical (15%)	-5,227	-6,923	-11,282	-2,394	-5,320	-2,954	4,274	7,924	11,595	8,697	-2,284	-8,773

Table 17-1c. CVP, SWP, and Sites Project Facilities Net Revenue, Alternative 1A 011221 minus No Action Alternative 011221, Monthly Revenue (1000)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-243	-1,443	27	-7,815	-2,653	-2,182	-466	375	-559	-176	-745	-27
20%	-1,256	-4,240	-1,280	-1,109	-2,150	-21	-602	88	-947	-3,013	-1,371	495
30%	-1,996	-1,848	-499	-669	79	-1,826	142	-588	-620	-2,333	-2,020	406
40%	-1,782	-1,130	-281	-406	-383	-554	-137	-32	-159	-3,224	-1,600	-110
50%	-1,374	-1,357	-1,201	-1,267	-1,550	-1,332	-200	-266	-212	-4,070	-2,922	-1,626
60%	-2,244	-1,917	-667	-1,110	-232	-184	3	-26	-666	-4,015	-3,541	-4,305
70%	-2,140	-1,202	-58	78	-791	-999	-445	74	-414	-2,750	-2,613	-5,431
80%	-1,999	-575	-1,313	-32	-231	-1,043	4	-336	-174	-3,285	-4,026	-3,583
90%	-474	-395	198	-1,916	-105	-851	-23	-311	29	-3,021	-4,649	-1,726
Long Term												
Full Simulation Period[a]	-1,588	-1,509	-487	-1,094	-933	-1,159	-331	-149	-382	-2,701	-2,815	-1,654
Water Year Types[b,c]												
Wet (32%)	227	-250	-144	-1,711	-1,359	-1,103	-1,090	-121	-327	-18	239	299
Above Normal (15%)	265	-123	-121	-2,206	-1,573	-2,434	-152	-179	-289	132	298	378
Below Normal (17%)	-898	-2,024	-641	-815	-1,101	-1,290	12	-69	-196	-75	-164	122
Dry (22%)	-5,752	-3,780	-716	-291	-485	-1,315	1	-105	-845	-7,416	-7,839	-4,289
Critical (15%)	-1,934	-1,616	-1,075	-173	153	379	238	-341	-120	-7,338	-8,100	-6,034

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 17-2a. CVP, SWP, and Sites Project Facilities Net Revenue, No Action Alternative 011221, Monthly Revenue (1000)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	255	-1,071	13,724	26,838	24,475	28,454	8,804	23,621	16,765	26,087	13,313	9,989
20%	-1,432	-4,967	2,970	6,505	13,220	14,976	6,433	14,600	14,621	24,567	11,951	7,383
30%	-3,329	-8,823	-4,613	173	1,631	5,792	3,912	13,149	12,045	21,448	10,673	6,203
40%	-4,660	-10,895	-8,040	-2,732	-2,164	61	3,097	11,148	10,800	19,077	9,000	3,957
50%	-6,782	-12,165	-9,627	-3,788	-3,647	-1,956	1,445	9,327	9,697	17,661	7,065	-560
60%	-7,829	-13,725	-12,650	-5,481	-6,022	-5,262	-419	7,849	8,399	15,351	6,051	-3,036
70%	-10,659	-15,840	-15,619	-8,630	-7,494	-7,121	-2,261	6,245	6,884	12,359	3,916	-5,698
80%	-13,521	-17,763	-19,768	-10,536	-11,377	-10,918	-5,275	4,375	4,503	10,920	2,550	-10,492
90%	-18,925	-20,412	-24,905	-16,515	-15,758	-14,384	-7,029	1,984	1,396	6,854	386	-14,797
Long Term												
Full Simulation Period[a]	-7,438	-11,149	-6,973	-1,106	-1	1,704	1,713	10,295	9,943	16,792	7,033	-1,009
Water Year Types[b,c]												
Wet (32%)	-4,172	-11,564	-2,774	11,964	9,026	12,927	5,792	15,654	10,206	14,060	7,387	7,562
Above Normal (15%)	-9,966	-14,664	-12,693	-5,554	3,358	3,735	336	10,205	6,913	20,359	10,198	5,046
Below Normal (17%)	-15,752	-15,325	-10,918	-13,064	-6,855	-8,559	-3,836	4,306	6,035	16,603	4,164	-13,099
Dry (22%)	-6,770	-8,853	-4,000	-6,977	-6,301	-4,522	-493	8,626	13,441	19,013	7,455	-6,870
Critical (15%)	-3,293	-5,307	-10,206	-2,221	-5,474	-3,333	4,036	8,265	11,716	16,035	5,816	-2,739

Table 17-2b. CVP, SWP, and Sites Project Facilities Net Revenue, Alternative 1B 011221, Monthly Revenue (1000)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-114	-2,152	17,134	25,619	21,815	26,528	7,919	23,758	16,077	26,052	12,461	10,343
20%	-2,297	-7,454	1,802	5,426	11,449	14,954	5,393	15,124	13,683	21,575	10,877	7,764
30%	-4,602	-10,817	-5,021	-182	1,747	3,821	4,068	12,619	11,322	19,211	8,691	6,590
40%	-6,441	-11,937	-8,206	-3,167	-2,529	-783	3,055	11,110	10,396	16,164	7,215	4,106
50%	-7,712	-12,849	-10,751	-5,278	-5,090	-3,299	1,132	9,075	9,276	13,646	4,468	-1,774
60%	-10,057	-15,541	-12,852	-6,783	-6,299	-5,339	-444	7,839	7,860	11,223	2,420	-6,370
70%	-11,845	-16,545	-15,868	-8,596	-8,029	-7,802	-2,219	6,087	6,483	10,040	733	-11,306
80%	-15,777	-18,009	-20,412	-10,567	-11,854	-11,896	-5,260	3,979	3,878	7,515	-1,420	-13,627
90%	-19,506	-21,095	-24,360	-18,358	-15,861	-15,302	-6,977	1,767	1,440	3,845	-3,651	-17,099
Long Term												
Full Simulation Period[a]	-8,876	-12,423	-7,077	-1,978	-1,029	522	1,382	10,031	9,447	14,111	4,360	-2,475
Water Year Types[b,c]												
Wet (32%)	-4,004	-11,944	-2,888	10,996	7,379	11,845	4,692	15,375	9,841	14,026	7,593	7,862
Above Normal (15%)	-9,627	-14,826	-12,538	-7,788	1,769	1,679	120	10,036	6,353	20,338	10,671	5,585
Below Normal (17%)	-16,104	-16,929	-11,331	-13,888	-7,746	-10,056	-3,549	4,091	5,617	16,551	3,999	-12,743
Dry (22%)	-12,477	-11,722	-3,311	-7,270	-6,696	-5,809	-583	8,419	12,584	11,915	133	-10,649
Critical (15%)	-4,848	-6,853	-11,380	-2,448	-5,707	-3,332	4,176	7,796	11,451	8,512	-2,190	-8,690

Table 17-2c. CVP, SWP, and Sites Project Facilities Net Revenue, Alternative 1B 011221 minus No Action Alternative 011221, Monthly Revenue (1000)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-369	-1,082	3,411	-1,219	-2,660	-1,926	-885	137	-687	-36	-852	355
20%	-865	-2,487	-1,168	-1,079	-1,771	-22	-1,041	524	-938	-2,992	-1,074	381
30%	-1,274	-1,993	-409	-355	116	-1,970	156	-530	-724	-2,237	-1,982	387
40%	-1,782	-1,042	-166	-435	-366	-844	-43	-38	-404	-2,913	-1,785	149
50%	-930	-684	-1,124	-1,490	-1,443	-1,343	-312	-252	-421	-4,015	-2,596	-1,214
60%	-2,228	-1,816	-202	-1,301	-277	-76	-25	-10	-539	-4,128	-3,631	-3,333
70%	-1,186	-705	-249	34	-535	-681	42	-158	-400	-2,319	-3,183	-5,608
80%	-2,256	-247	-644	-31	-476	-978	15	-396	-626	-3,405	-3,970	-3,135
90%	-581	-684	546	-1,843	-103	-919	52	-217	44	-3,010	-4,036	-2,301
Long Term												
Full Simulation Period[a]	-1,438	-1,274	-105	-872	-1,028	-1,182	-330	-264	-496	-2,682	-2,673	-1,466
Water Year Types[b,c]												
Wet (32%)	168	-379	-114	-968	-1,647	-1,082	-1,100	-279	-365	-34	205	300
Above Normal (15%)	339	-161	155	-2,235	-1,589	-2,056	-216	-169	-560	-21	473	538
Below Normal (17%)	-353	-1,604	-413	-824	-891	-1,497	288	-214	-418	-52	-165	355
Dry (22%)	-5,707	-2,868	689	-293	-395	-1,287	-90	-206	-857	-7,098	-7,323	-3,779
Critical (15%)	-1,555	-1,546	-1,174	-228	-234	1	141	-469	-265	-7,523	-8,006	-5,951

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 17-3a. CVP, SWP, and Sites Project Facilities Net Revenue, No Action Alternative 011221, Monthly Revenue (1000)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	255	-1,071	13,724	26,838	24,475	28,454	8,804	23,621	16,765	26,087	13,313	9,989
20%	-1,432	-4,967	2,970	6,505	13,220	14,976	6,433	14,600	14,621	24,567	11,951	7,383
30%	-3,329	-8,823	-4,613	173	1,631	5,792	3,912	13,149	12,045	21,448	10,673	6,203
40%	-4,660	-10,895	-8,040	-2,732	-2,164	61	3,097	11,148	10,800	19,077	9,000	3,957
50%	-6,782	-12,165	-9,627	-3,788	-3,647	-1,956	1,445	9,327	9,697	17,661	7,065	-560
60%	-7,829	-13,725	-12,650	-5,481	-6,022	-5,262	-419	7,849	8,399	15,351	6,051	-3,036
70%	-10,659	-15,840	-15,619	-8,630	-7,494	-7,121	-2,261	6,245	6,884	12,359	3,916	-5,698
80%	-13,521	-17,763	-19,768	-10,536	-11,377	-10,918	-5,275	4,375	4,503	10,920	2,550	-10,492
90%	-18,925	-20,412	-24,905	-16,515	-15,758	-14,384	-7,029	1,984	1,396	6,854	386	-14,797
Long Term												
Full Simulation Period[a]	-7,438	-11,149	-6,973	-1,106	-1	1,704	1,713	10,295	9,943	16,792	7,033	-1,009
Water Year Types[b,c]												
Wet (32%)	-4,172	-11,564	-2,774	11,964	9,026	12,927	5,792	15,654	10,206	14,060	7,387	7,562
Above Normal (15%)	-9,966	-14,664	-12,693	-5,554	3,358	3,735	336	10,205	6,913	20,359	10,198	5,046
Below Normal (17%)	-15,752	-15,325	-10,918	-13,064	-6,855	-8,559	-3,836	4,306	6,035	16,603	4,164	-13,099
Dry (22%)	-6,770	-8,853	-4,000	-6,977	-6,301	-4,522	-493	8,626	13,441	19,013	7,455	-6,870
Critical (15%)	-3,293	-5,307	-10,206	-2,221	-5,474	-3,333	4,036	8,265	11,716	16,035	5,816	-2,739

Table 17-3b. CVP, SWP, and Sites Project Facilities Net Revenue, Alternative 2 011221, Monthly Revenue (1000)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	190	-2,427	13,747	19,983	21,834	26,357	7,977	24,007	16,130	25,903	12,550	10,327
20%	-2,446	-6,806	1,713	5,449	12,140	14,956	5,830	14,896	13,698	21,549	10,804	7,872
30%	-4,037	-10,538	-5,167	-519	1,547	4,037	4,104	12,532	11,421	19,096	8,643	6,524
40%	-6,291	-11,848	-8,323	-3,169	-2,559	-734	3,089	11,073	10,751	15,836	7,364	3,836
50%	-7,631	-13,366	-10,805	-4,804	-5,253	-2,887	1,248	9,078	9,482	13,694	4,281	-1,903
60%	-9,621	-15,633	-12,985	-6,731	-6,618	-5,485	-439	7,819	7,552	11,184	2,343	-6,551
70%	-11,659	-17,010	-15,814	-8,735	-8,273	-7,784	-2,375	6,614	6,425	9,700	1,274	-11,179
80%	-15,926	-18,288	-21,070	-10,564	-11,854	-11,809	-4,945	4,745	4,311	7,388	-1,090	-13,459
90%	-19,352	-20,817	-24,450	-18,266	-16,035	-15,235	-7,053	1,723	2,128	3,914	-3,577	-16,358
Long Term												
Full Simulation Period[a]	-8,636	-12,386	-7,337	-2,131	-921	679	1,467	10,174	9,577	14,080	4,347	-2,455
Water Year Types[b,c]												
Wet (32%)	-4,003	-11,804	-2,889	10,471	7,902	12,074	4,921	15,538	9,893	14,037	7,649	7,890
Above Normal (15%)	-9,683	-14,743	-12,798	-7,867	1,828	1,707	100	9,994	6,556	20,488	10,519	5,427
Below Normal (17%)	-16,568	-17,725	-11,443	-13,870	-8,034	-9,845	-3,619	4,481	6,001	16,425	3,872	-12,957
Dry (22%)	-11,427	-11,229	-4,344	-7,240	-6,802	-5,687	-486	8,525	12,631	11,515	-443	-10,800
Critical (15%)	-4,190	-6,795	-11,211	-2,340	-5,668	-3,212	4,215	7,849	11,502	8,878	-1,238	-7,980

Table 17-3c. CVP, SWP, and Sites Project Facilities Net Revenue, Alternative 2 011221 minus No Action Alternative 011221, Monthly Revenue (1000)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-65	-1,357	24	-6,855	-2,641	-2,096	-827	386	-635	-184	-763	339
20%	-1,014	-1,839	-1,257	-1,056	-1,081	-20	-603	296	-923	-3,018	-1,147	488
30%	-709	-1,714	-554	-692	-85	-1,755	192	-617	-624	-2,352	-2,030	321
40%	-1,631	-954	-283	-437	-396	-795	-9	-75	-49	-3,241	-1,637	-121
50%	-850	-1,201	-1,178	-1,016	-1,606	-932	-197	-249	-215	-3,968	-2,783	-1,344
60%	-1,791	-1,908	-335	-1,250	-596	-223	-21	-30	-847	-4,167	-3,708	-3,515
70%	-999	-1,170	-195	-104	-779	-663	-114	369	-458	-2,658	-2,642	-5,481
80%	-2,405	-525	-1,302	-28	-477	-891	330	370	-192	-3,532	-3,640	-2,966
90%	-428	-405	456	-1,751	-277	-851	-24	-261	733	-2,940	-3,963	-1,561
Long Term												
Full Simulation Period[a]	-1,198	-1,236	-364	-1,025	-920	-1,025	-246	-121	-366	-2,712	-2,686	-1,446
Water Year Types[b,c]												
Wet (32%)	169	-240	-115	-1,494	-1,124	-853	-871	-116	-313	-23	262	328
Above Normal (15%)	283	-79	-105	-2,314	-1,530	-2,028	-236	-211	-357	128	321	381
Below Normal (17%)	-816	-2,400	-525	-806	-1,179	-1,286	217	175	-34	-178	-292	141
Dry (22%)	-4,657	-2,375	-344	-263	-500	-1,165	7	-100	-811	-7,498	-7,898	-3,930
Critical (15%)	-897	-1,488	-1,005	-119	-194	121	180	-416	-214	-7,157	-7,054	-5,241

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 17-4a. CVP, SWP, and Sites Project Facilities Net Revenue, No Action Alternative 011221, Monthly Revenue (1000)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	255	-1,071	13,724	26,838	24,475	28,454	8,804	23,621	16,765	26,087	13,313	9,989
20%	-1,432	-4,967	2,970	6,505	13,220	14,976	6,433	14,600	14,621	24,567	11,951	7,383
30%	-3,329	-8,823	-4,613	173	1,631	5,792	3,912	13,149	12,045	21,448	10,673	6,203
40%	-4,660	-10,895	-8,040	-2,732	-2,164	61	3,097	11,148	10,800	19,077	9,000	3,957
50%	-6,782	-12,165	-9,627	-3,788	-3,647	-1,956	1,445	9,327	9,697	17,661	7,065	-560
60%	-7,829	-13,725	-12,650	-5,481	-6,022	-5,262	-419	7,849	8,399	15,351	6,051	-3,036
70%	-10,659	-15,840	-15,619	-8,630	-7,494	-7,121	-2,261	6,245	6,884	12,359	3,916	-5,698
80%	-13,521	-17,763	-19,768	-10,536	-11,377	-10,918	-5,275	4,375	4,503	10,920	2,550	-10,492
90%	-18,925	-20,412	-24,905	-16,515	-15,758	-14,384	-7,029	1,984	1,396	6,854	386	-14,797
Long Term												
Full Simulation Period[a]	-7,438	-11,149	-6,973	-1,106	-1	1,704	1,713	10,295	9,943	16,792	7,033	-1,009
Water Year Types[b,c]												
Wet (32%)	-4,172	-11,564	-2,774	11,964	9,026	12,927	5,792	15,654	10,206	14,060	7,387	7,562
Above Normal (15%)	-9,966	-14,664	-12,693	-5,554	3,358	3,735	336	10,205	6,913	20,359	10,198	5,046
Below Normal (17%)	-15,752	-15,325	-10,918	-13,064	-6,855	-8,559	-3,836	4,306	6,035	16,603	4,164	-13,099
Dry (22%)	-6,770	-8,853	-4,000	-6,977	-6,301	-4,522	-493	8,626	13,441	19,013	7,455	-6,870
Critical (15%)	-3,293	-5,307	-10,206	-2,221	-5,474	-3,333	4,036	8,265	11,716	16,035	5,816	-2,739

Table 17-4b. CVP, SWP, and Sites Project Facilities Net Revenue, Alternative 3 020121, Monthly Revenue (1000)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	677	-2,641	13,318	19,224	21,634	25,143	8,031	23,173	16,300	26,068	12,511	9,936
20%	-1,246	-6,007	1,807	6,152	12,409	14,950	5,584	15,338	13,926	21,821	10,908	8,325
30%	-3,173	-10,223	-4,922	-167	1,298	4,138	3,554	12,391	11,480	19,304	9,278	6,228
40%	-5,362	-11,588	-8,286	-2,999	-2,708	-741	2,288	10,132	10,192	16,685	7,671	4,165
50%	-7,583	-12,588	-10,170	-5,257	-4,949	-3,139	1,326	8,871	9,088	13,685	4,834	-1,382
60%	-9,770	-14,134	-13,031	-6,831	-6,329	-5,950	-400	7,764	7,397	11,580	3,042	-5,032
70%	-11,370	-16,167	-15,364	-9,811	-8,307	-8,542	-1,887	6,424	6,125	10,112	745	-9,192
80%	-14,316	-17,772	-20,165	-11,539	-11,271	-12,239	-4,755	4,648	3,903	7,177	-531	-13,149
90%	-19,484	-20,973	-23,592	-18,867	-16,042	-15,579	-6,898	2,015	2,067	3,381	-3,472	-16,186
Long Term												
Full Simulation Period[a]	-8,174	-11,974	-6,993	-2,184	-1,001	196	1,317	10,045	9,418	14,308	4,776	-1,977
Water Year Types[b,c]												
Wet (32%)	-3,875	-11,883	-2,786	10,489	7,648	11,256	4,247	15,441	9,857	14,049	7,695	7,868
Above Normal (15%)	-9,904	-14,660	-12,323	-8,293	2,125	1,186	89	9,954	6,140	19,672	9,669	5,706
Below Normal (17%)	-15,616	-16,435	-10,044	-13,764	-7,906	-10,685	-3,155	4,582	5,547	16,585	4,312	-12,476
Dry (22%)	-10,850	-10,579	-4,501	-7,280	-7,016	-5,628	-504	8,011	12,474	12,630	1,512	-10,062
Critical (15%)	-3,059	-6,377	-10,958	-2,379	-5,789	-3,324	4,146	7,870	11,672	9,363	-1,001	-6,614

Table 17-4c. CVP, SWP, and Sites Project Facilities Net Revenue, Alternative 3 020121 minus No Action Alternative 011221, Monthly Revenue (1000)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	422	-1,570	-405	-7,614	-2,841	-3,311	-772	-448	-464	-19	-802	-53
20%	187	-1,040	-1,163	-353	-812	-26	-849	738	-695	-2,745	-1,044	942
30%	155	-1,400	-310	-339	-333	-1,653	-358	-758	-565	-2,144	-1,395	25
40%	-703	-694	-245	-267	-545	-803	-810	-1,015	-608	-2,391	-1,329	208
50%	-801	-423	-543	-1,469	-1,302	-1,184	-119	-456	-609	-3,976	-2,231	-823
60%	-1,940	-409	-381	-1,350	-307	-688	18	-85	-1,002	-3,770	-3,010	-1,996
70%	-711	-326	254	-1,181	-813	-1,421	375	179	-759	-2,247	-3,171	-3,494
80%	-794	-9	-398	-1,004	106	-1,320	519	273	-600	-3,742	-3,081	-2,657
90%	-559	-561	1,313	-2,352	-285	-1,196	132	30	672	-3,474	-3,858	-1,388
Long Term												
Full Simulation Period[a]	-735	-825	-20	-1,078	-1,000	-1,507	-396	-250	-526	-2,484	-2,257	-968
Water Year Types[b,c]												
Wet (32%)	296	-318	-12	-1,476	-1,378	-1,671	-1,545	-213	-348	-11	308	306
Above Normal (15%)	62	5	370	-2,740	-1,233	-2,549	-247	-251	-773	-687	-529	660
Below Normal (17%)	136	-1,110	874	-700	-1,051	-2,126	681	276	-488	-18	148	622
Dry (22%)	-4,080	-1,725	-501	-303	-715	-1,106	-11	-615	-967	-6,383	-5,943	-3,192
Critical (15%)	234	-1,071	-752	-158	-316	8	110	-395	-43	-6,672	-6,817	-3,875

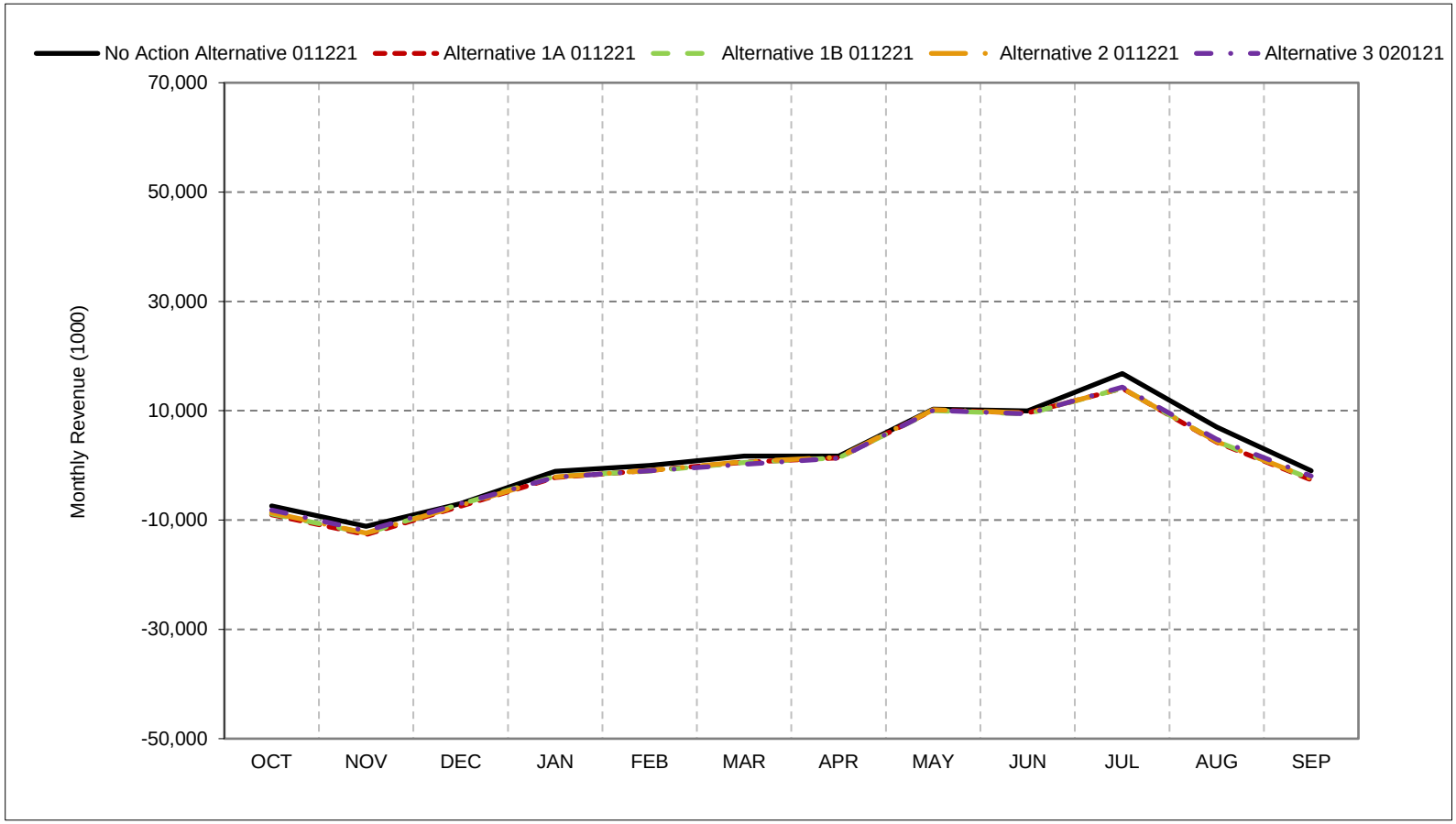
a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 17-1. CVP, SWP, and Sites Project Facilities Net Revenue, Long-Term Average Revenue

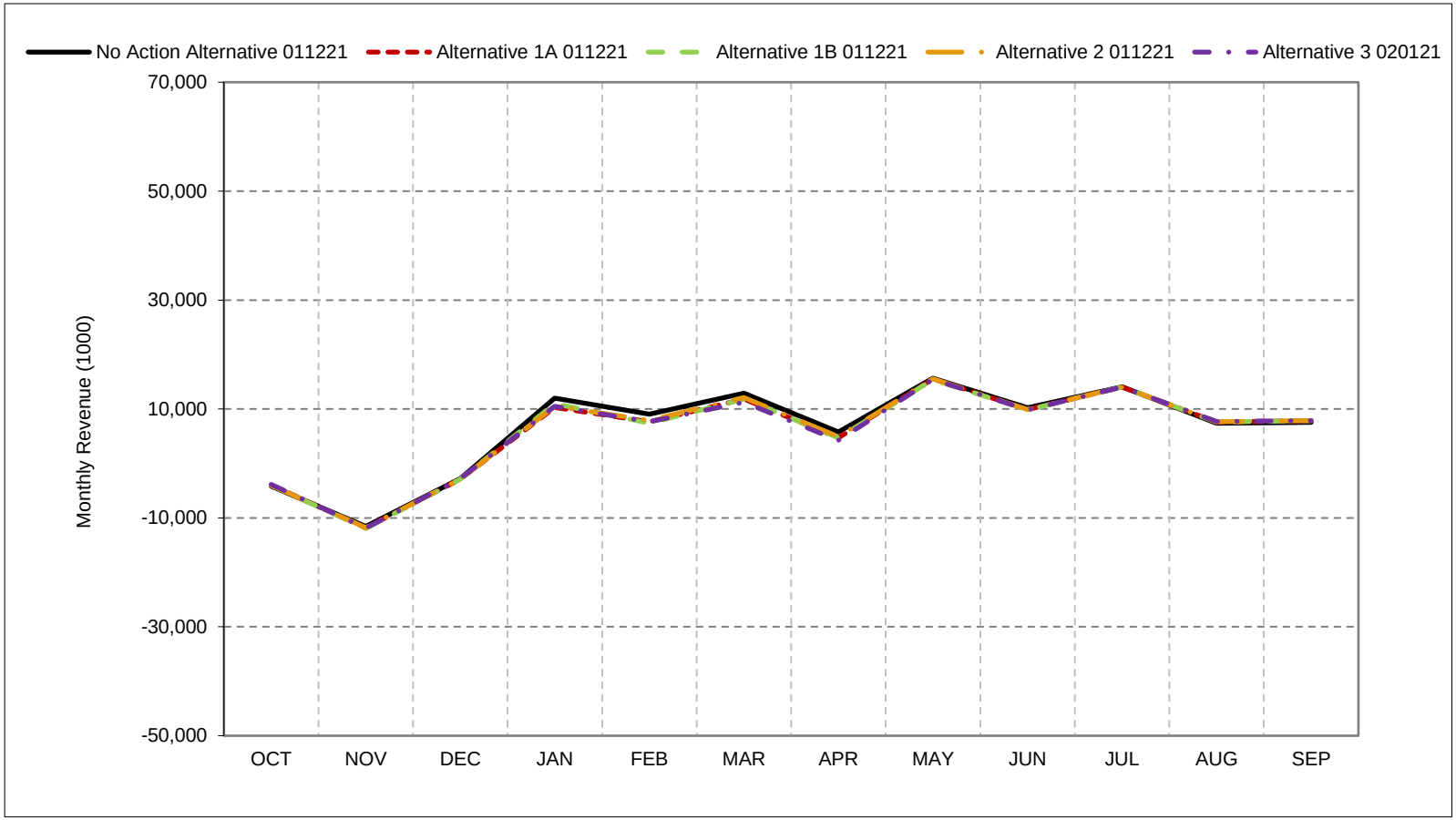


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 17-2. CVP, SWP, and Sites Project Facilities Net Revenue, Wet Year Average Revenue

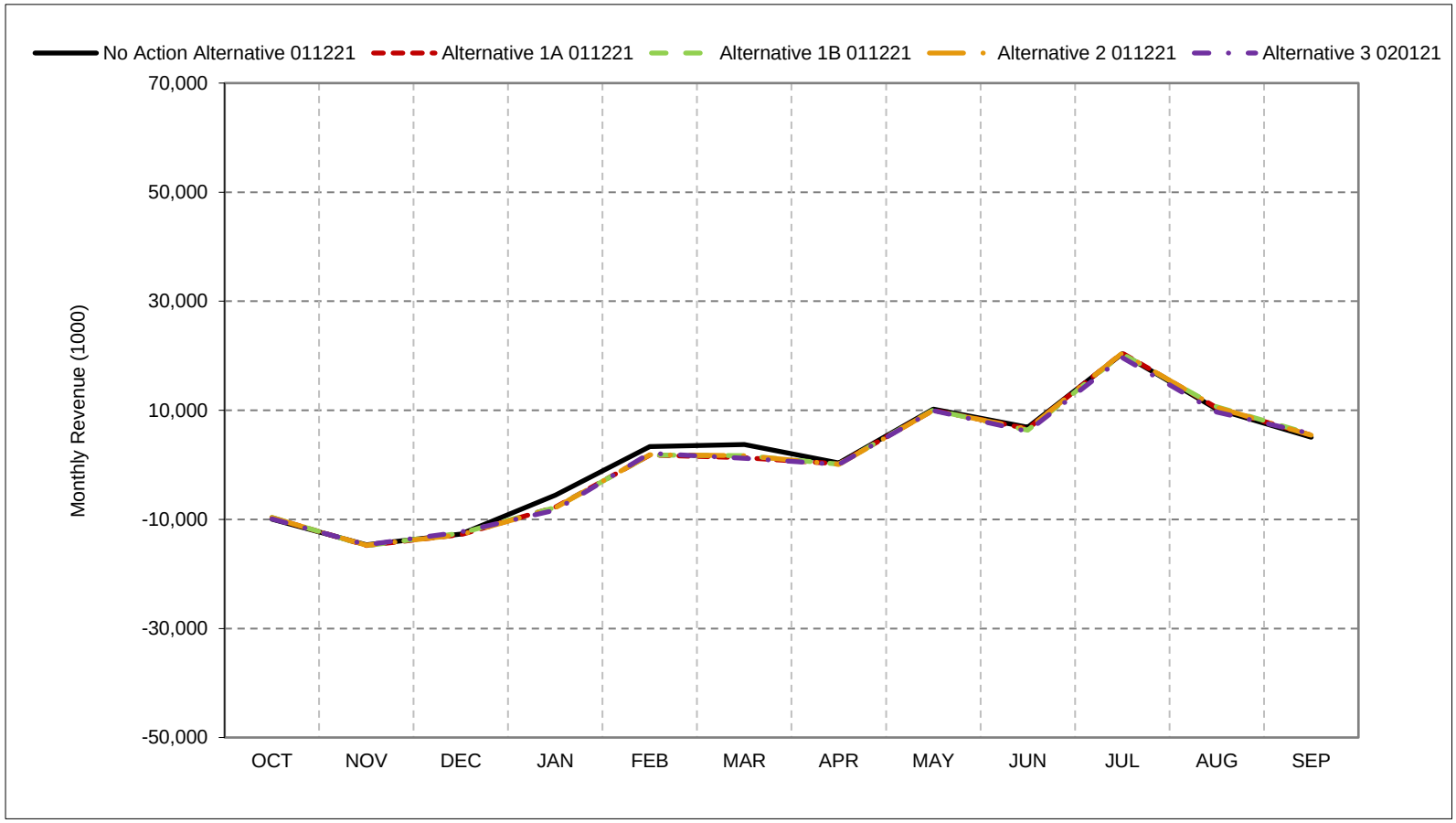


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 17-3. CVP, SWP, and Sites Project Facilities Net Revenue, Above Normal Year Average Revenue

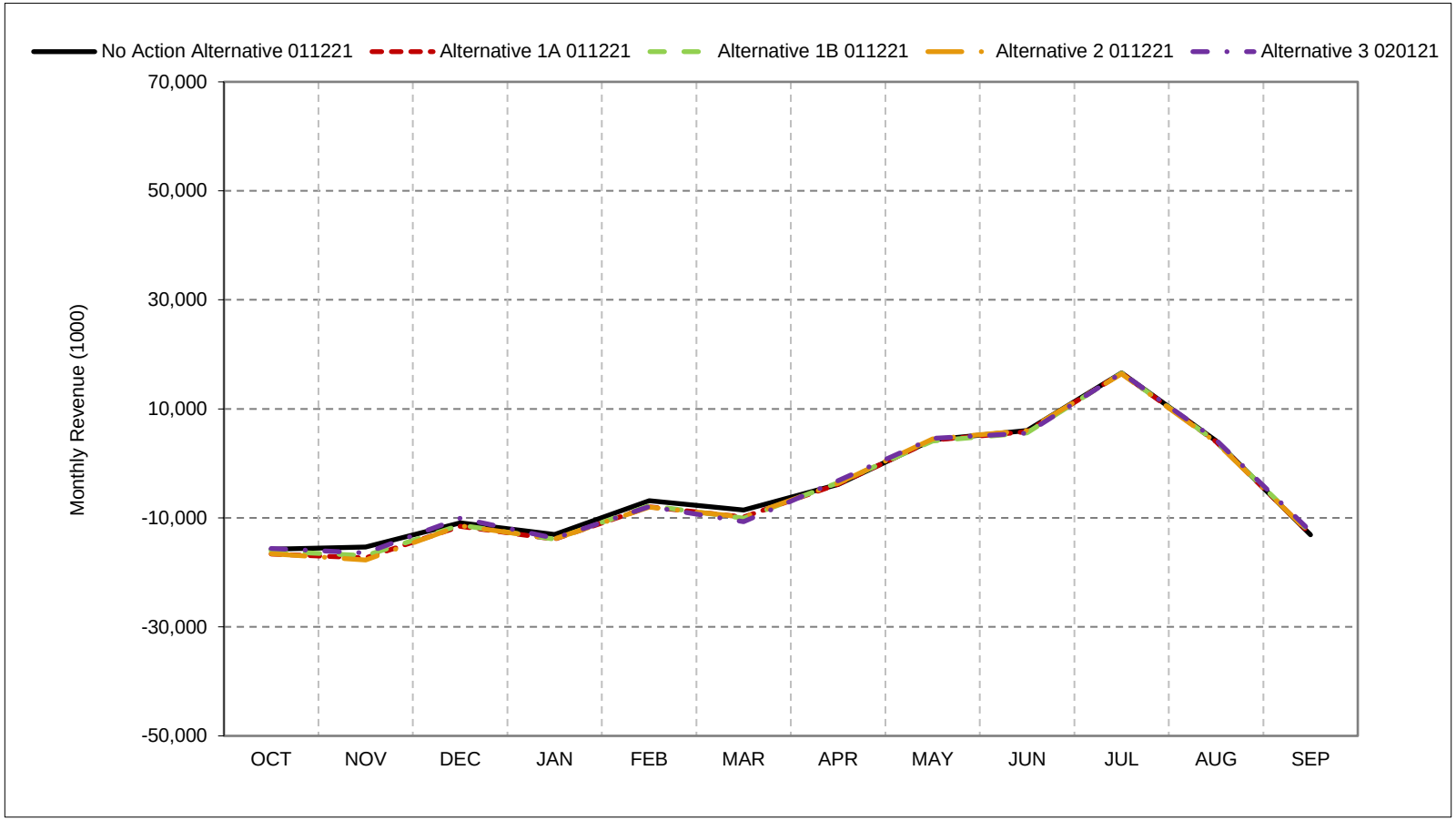


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 17-4. CVP, SWP, and Sites Project Facilities Net Revenue, Below Normal Year Average Revenue

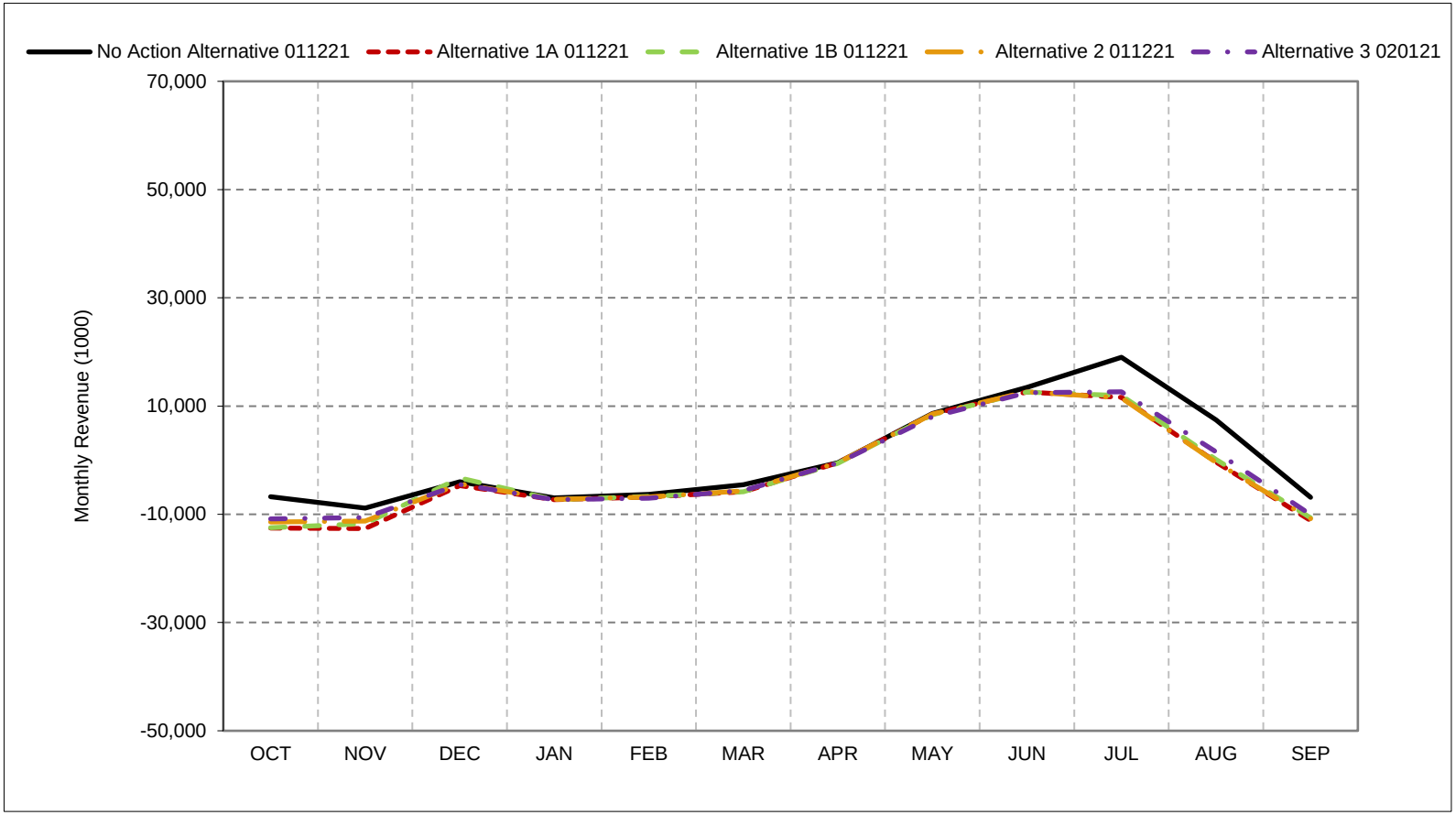


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 17-5. CVP, SWP, and Sites Project Facilities Net Revenue, Dry Year Average Revenue

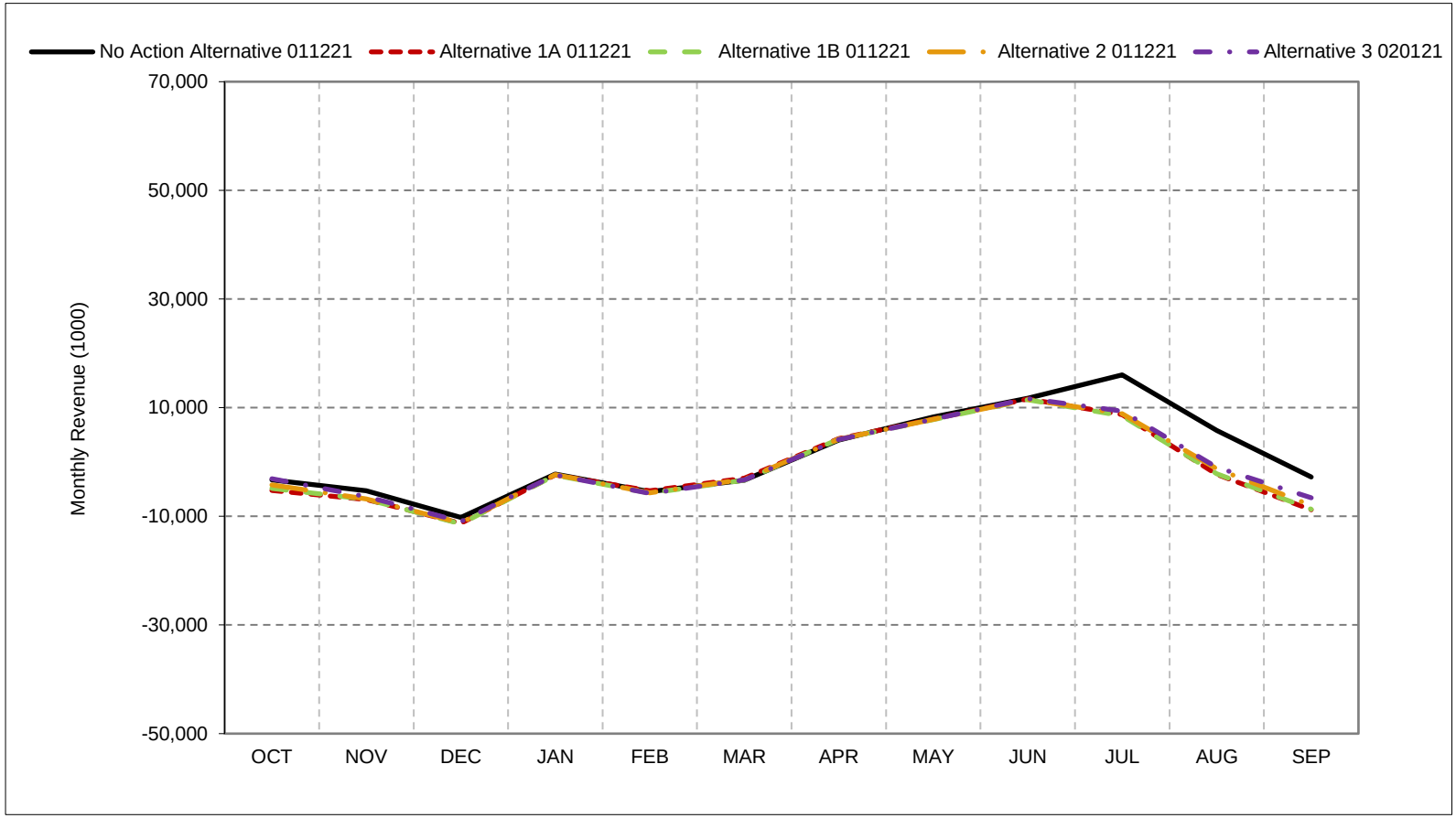


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 17-6. CVP, SWP, and Sites Project Facilities Net Revenue, Critical Year Average Revenue

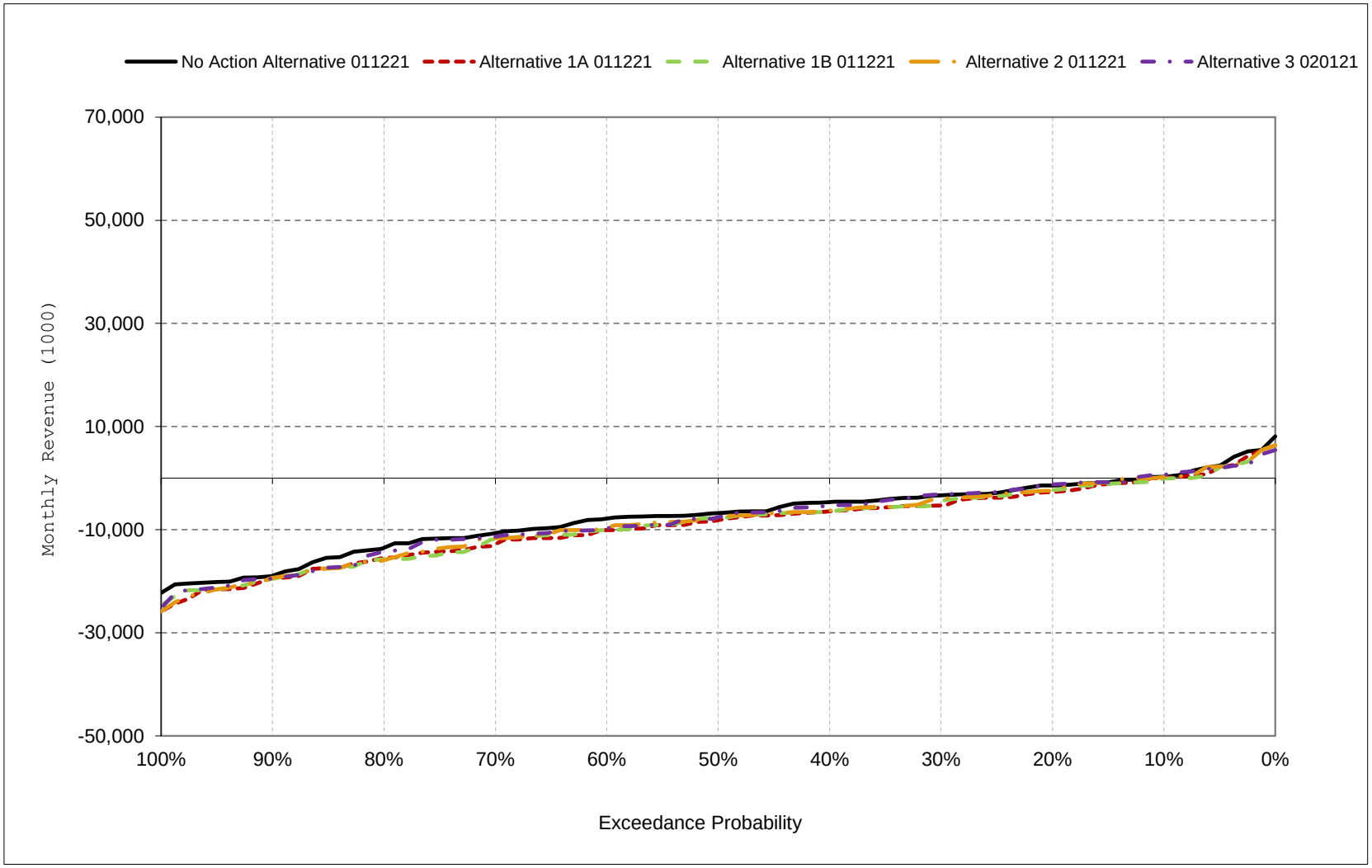


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

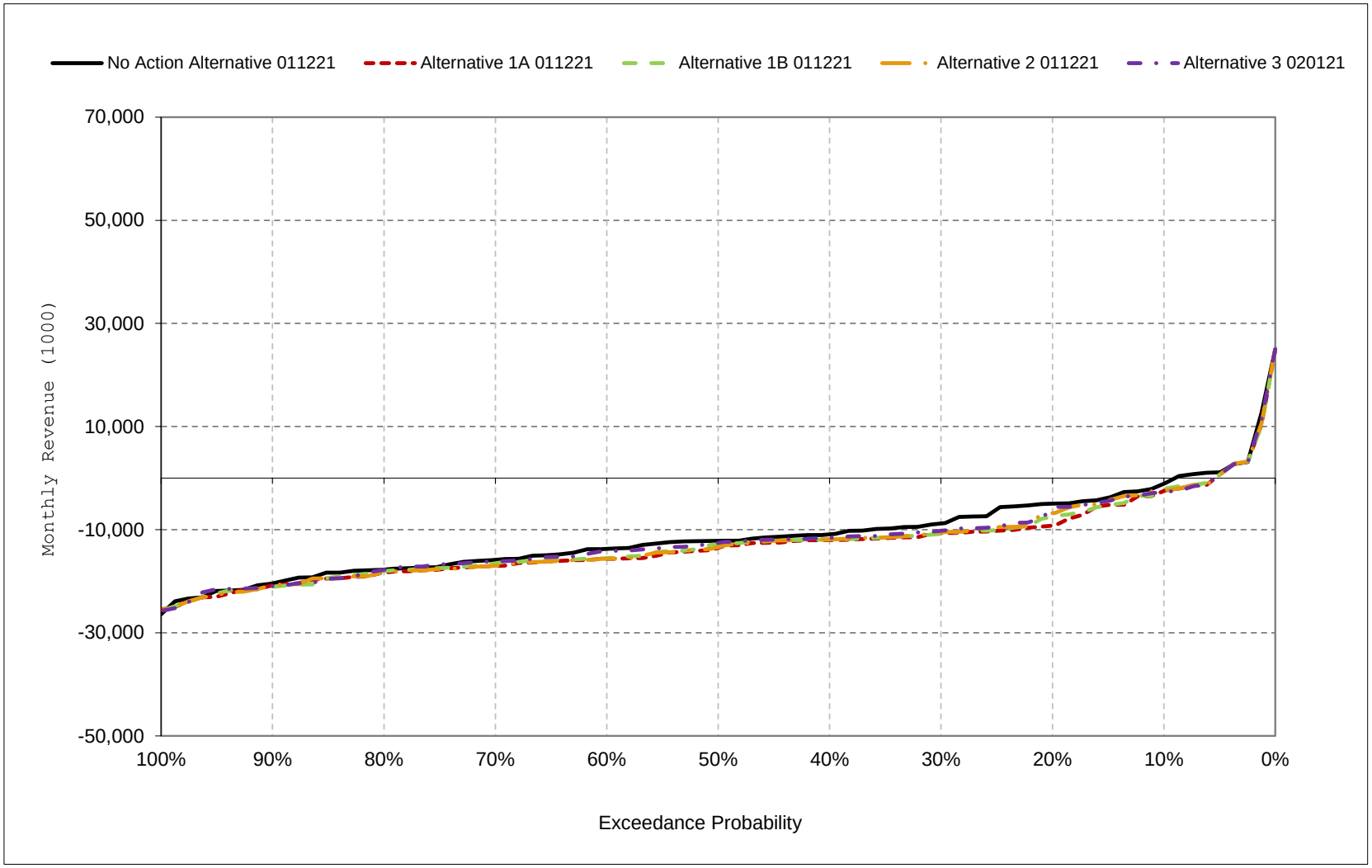
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 17-7. CVP, SWP, and Sites Project Facilities Net Revenue, October



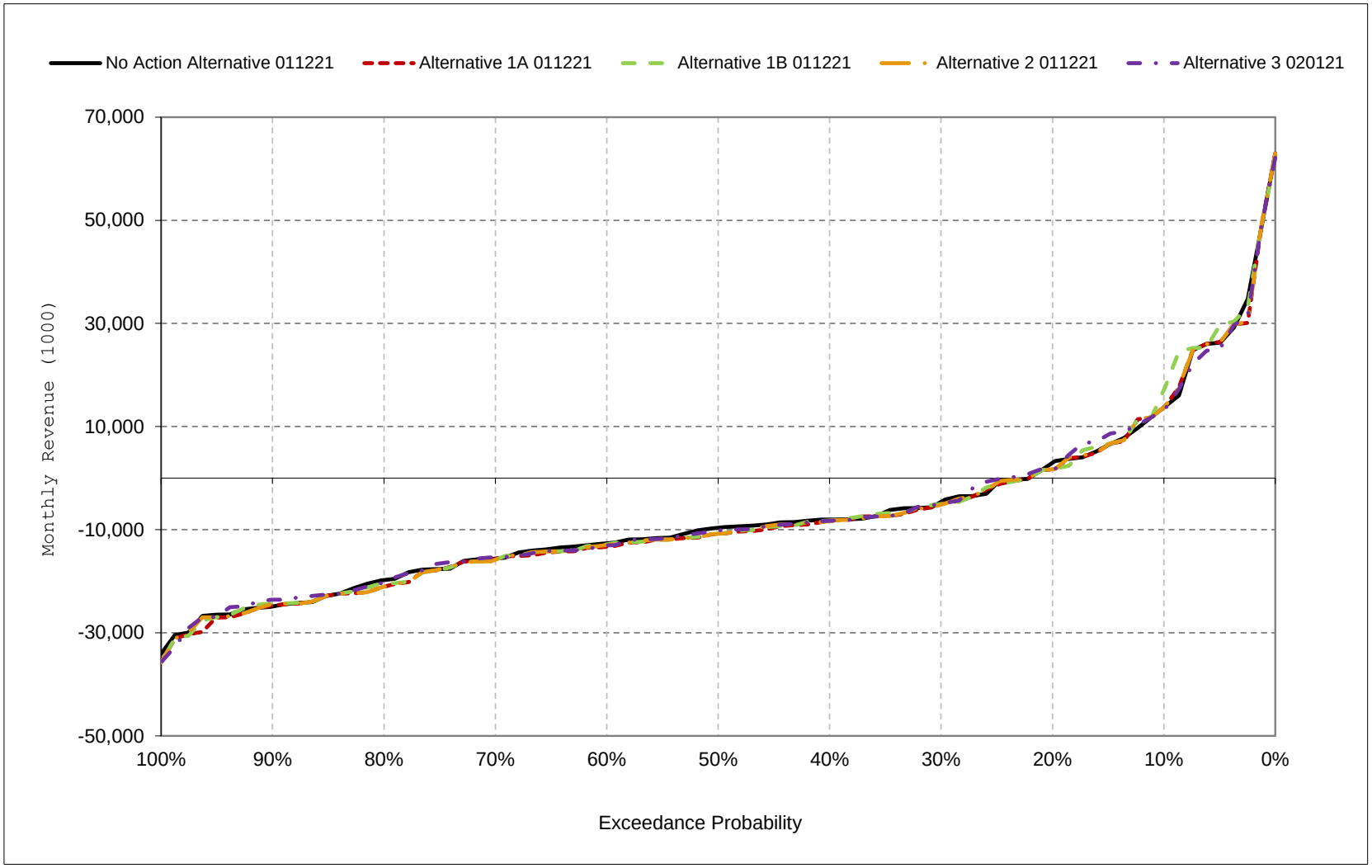
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 17-8. CVP, SWP, and Sites Project Facilities Net Revenue, November



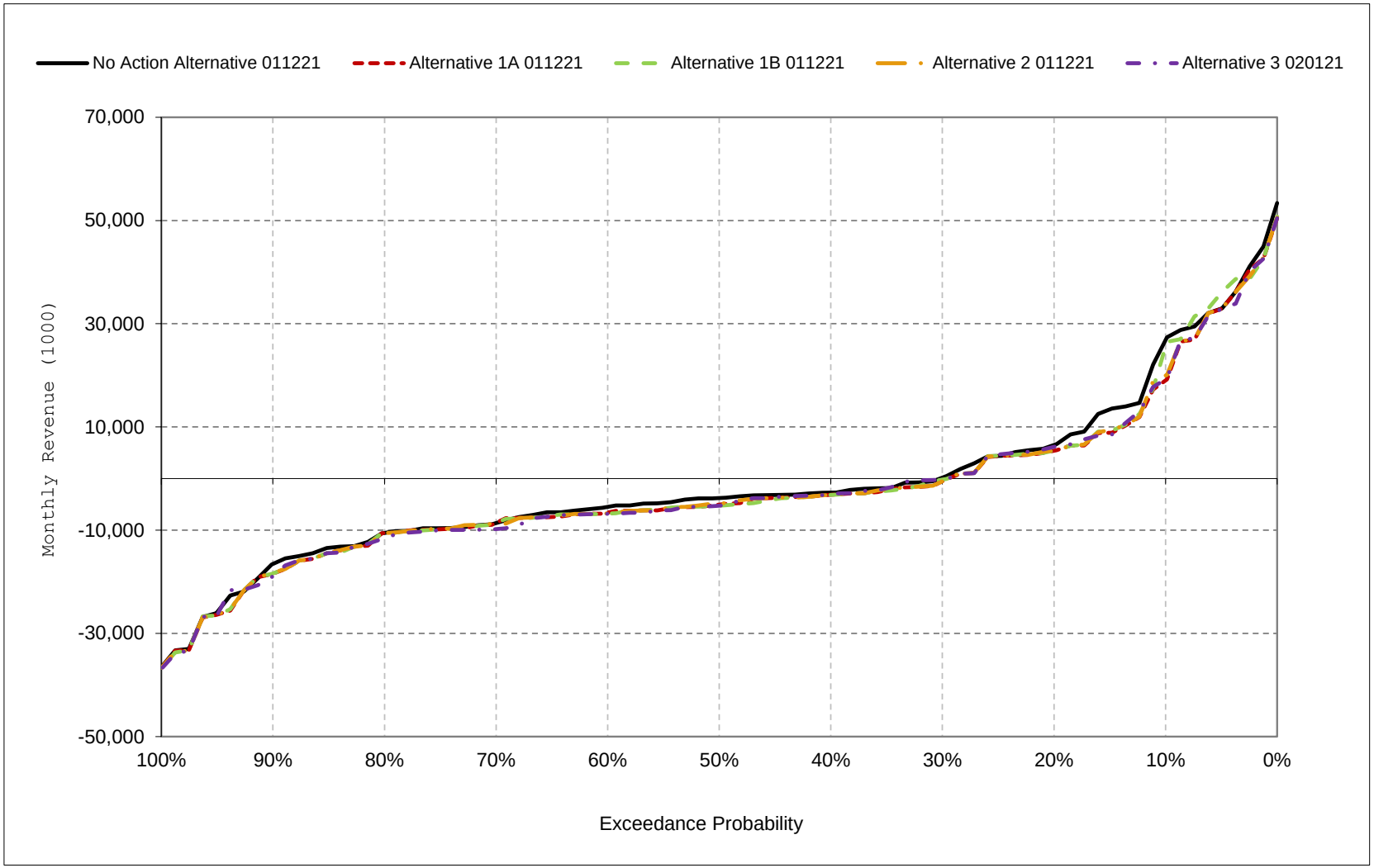
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 17-9. CVP, SWP, and Sites Project Facilities Net Revenue, December



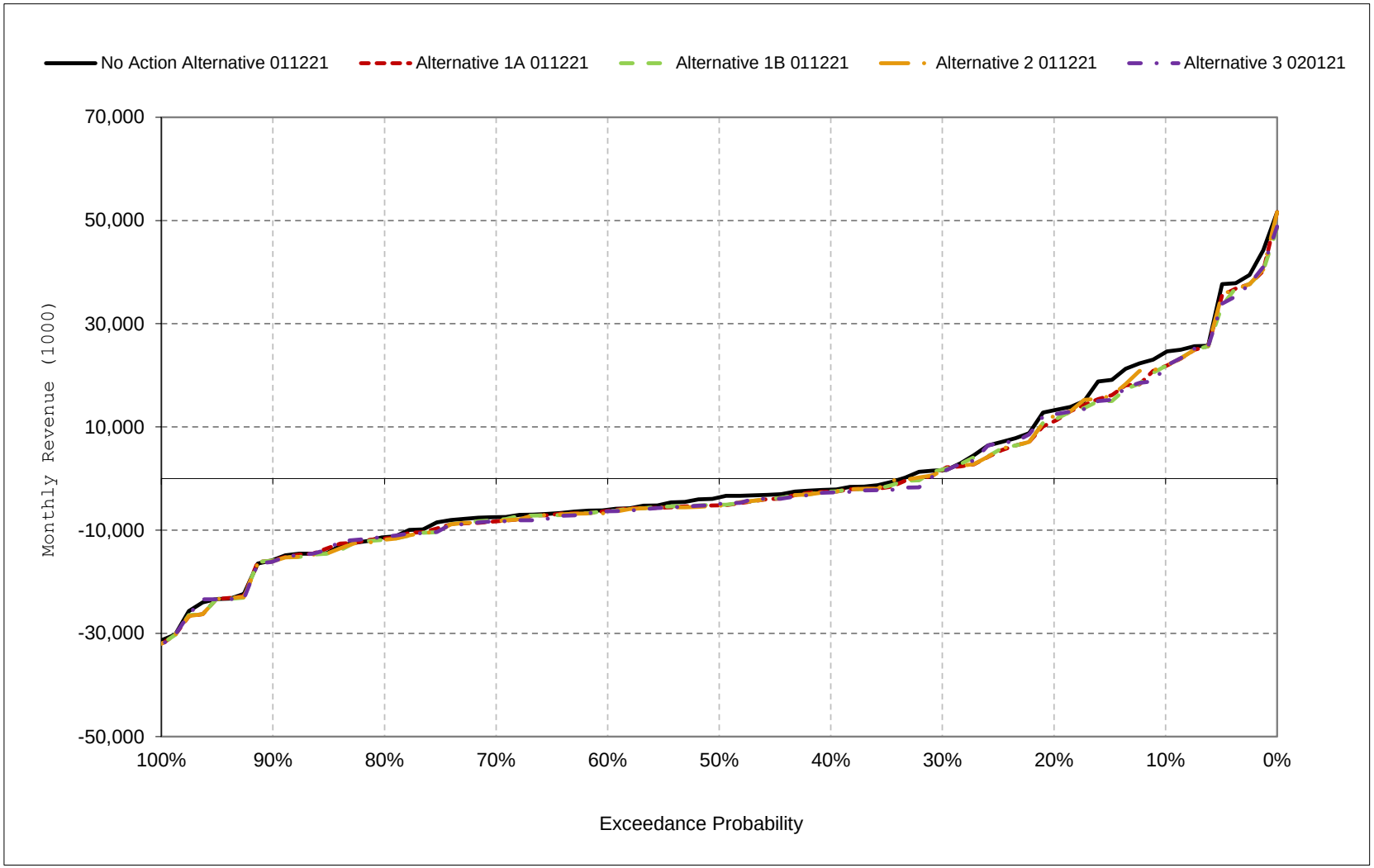
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 17-10. CVP, SWP, and Sites Project Facilities Net Revenue, January



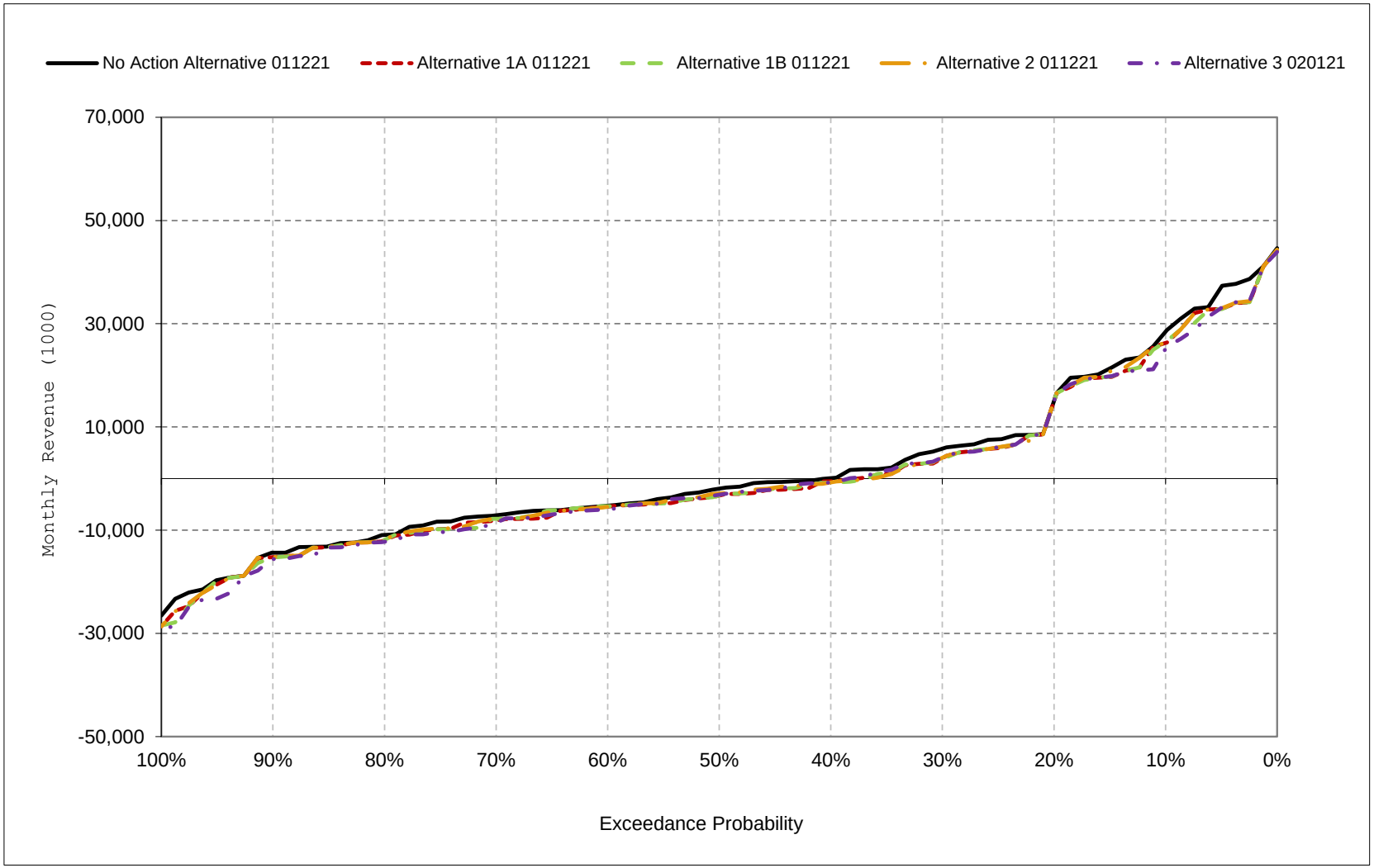
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 17-11. CVP, SWP, and Sites Project Facilities Net Revenue, February



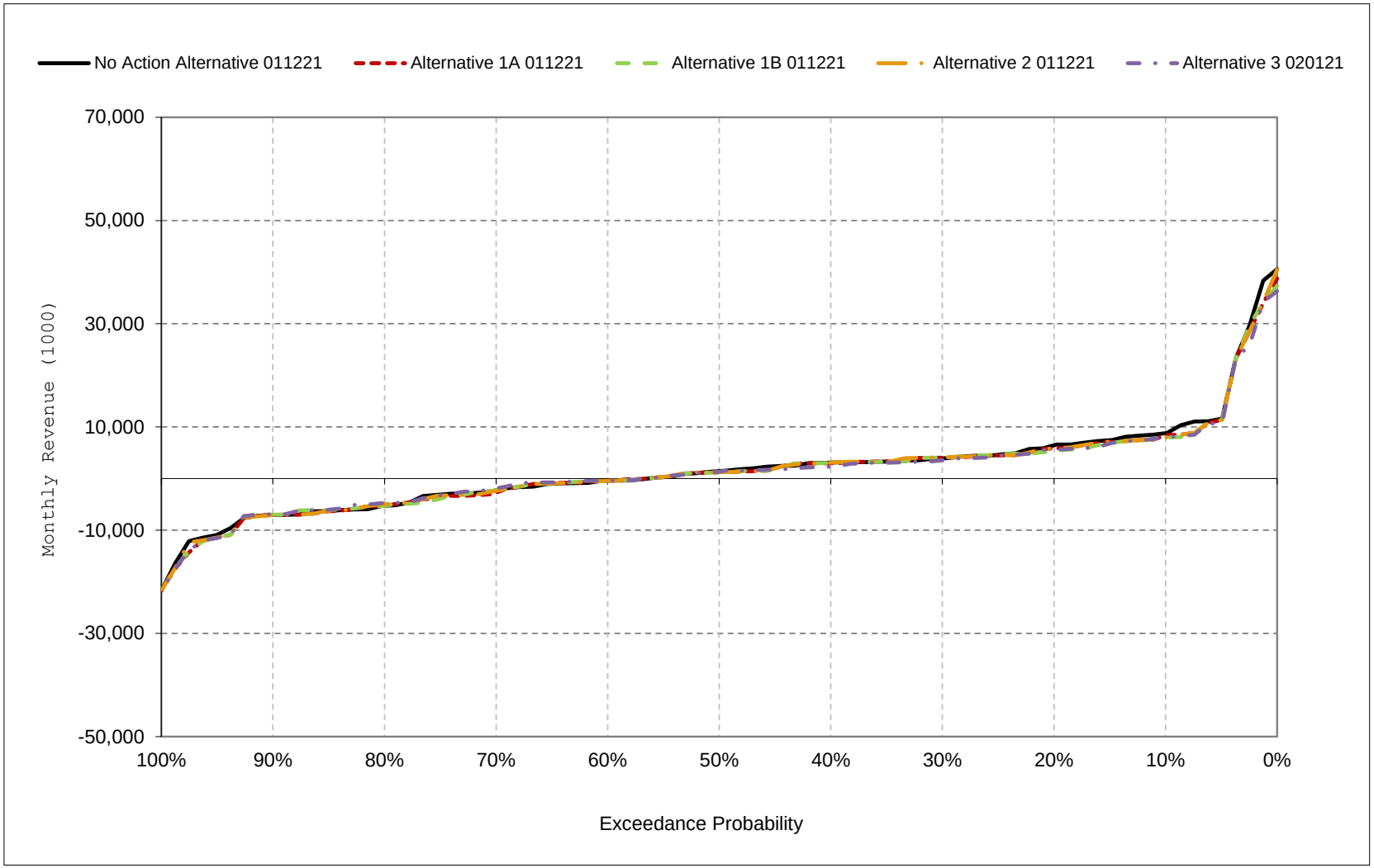
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 17-12. CVP, SWP, and Sites Project Facilities Net Revenue, March



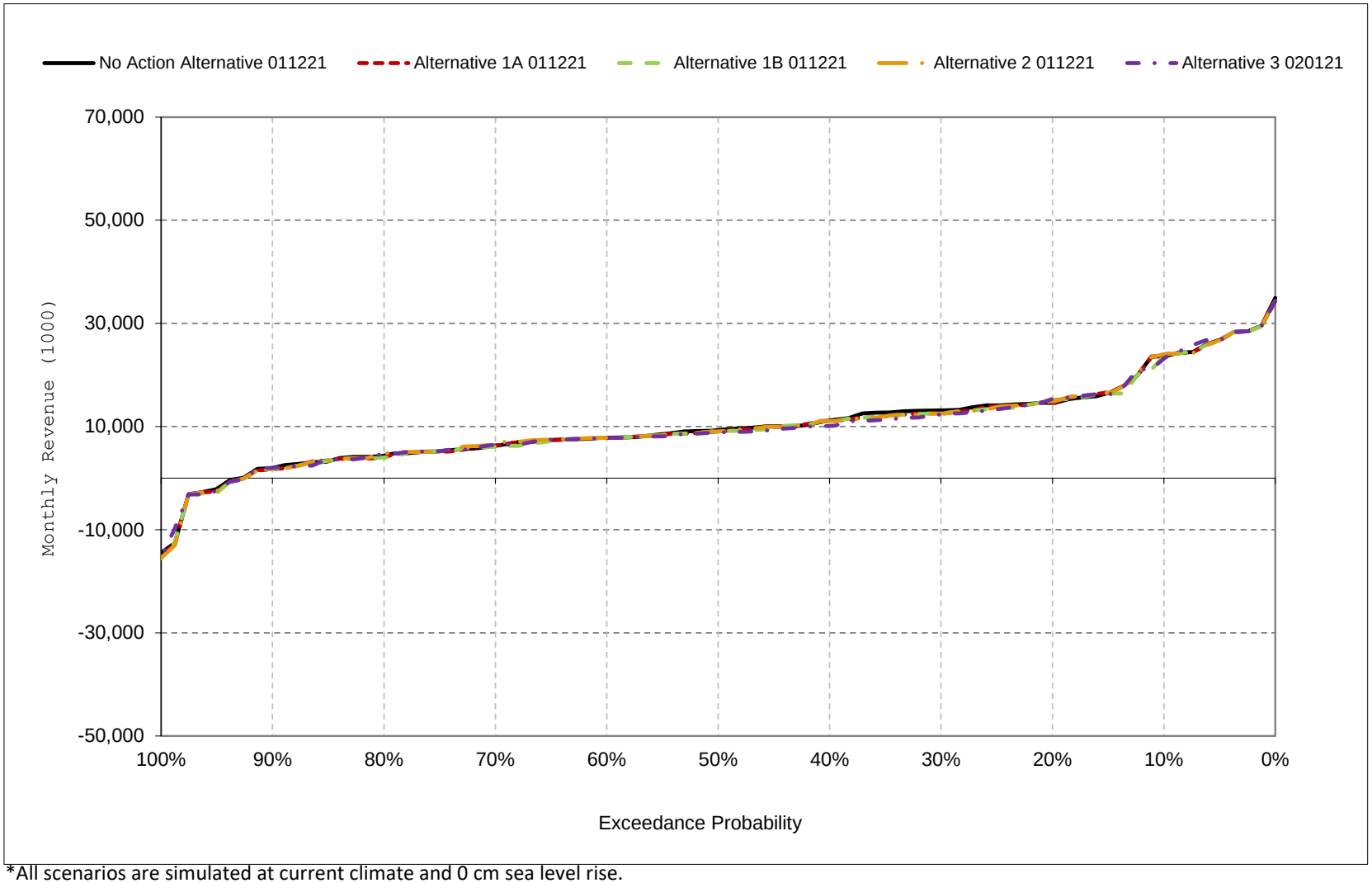
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 17-13. CVP, SWP, and Sites Project Facilities Net Revenue, April



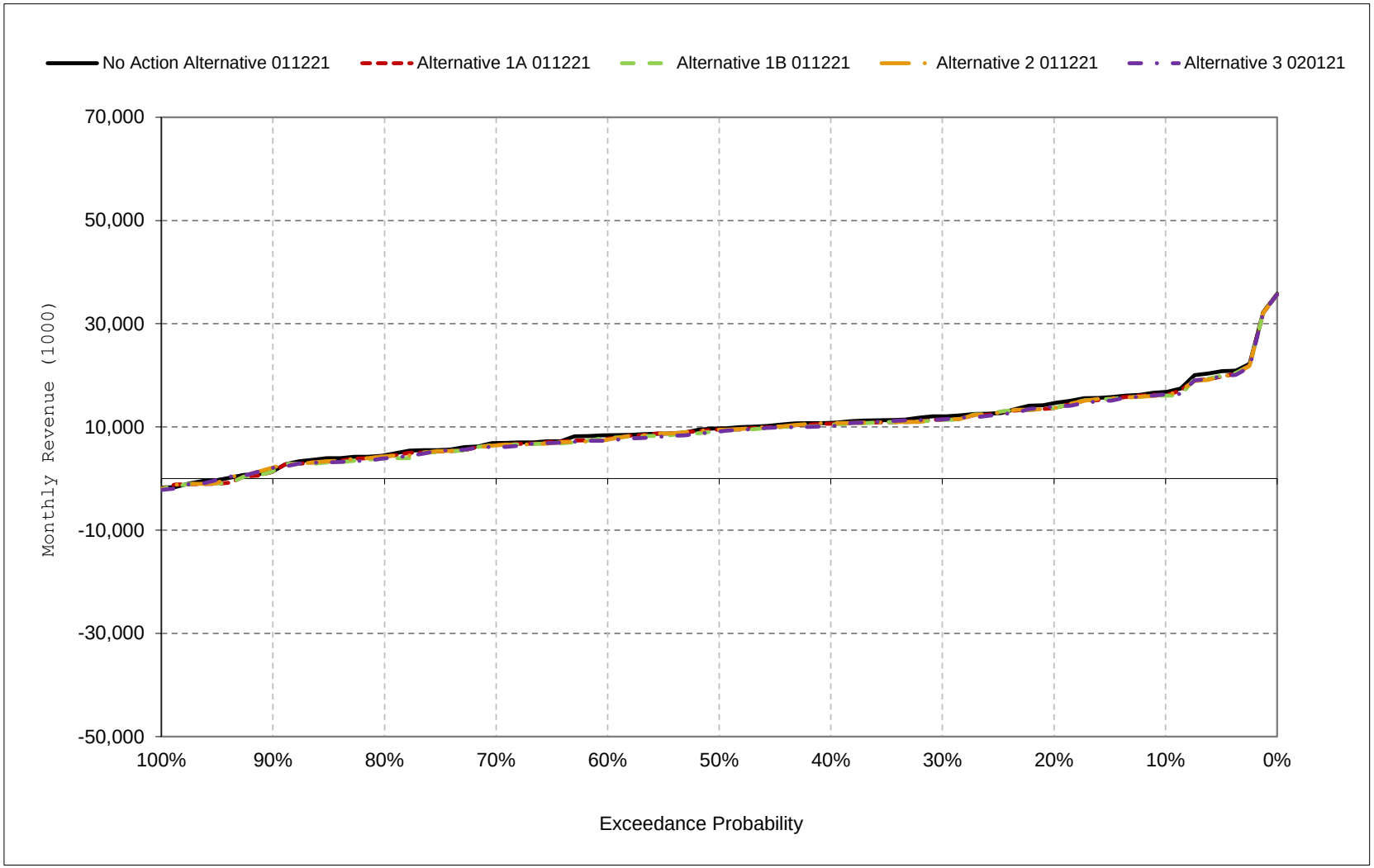
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 17-14. CVP, SWP, and Sites Project Facilities Net Revenue, May



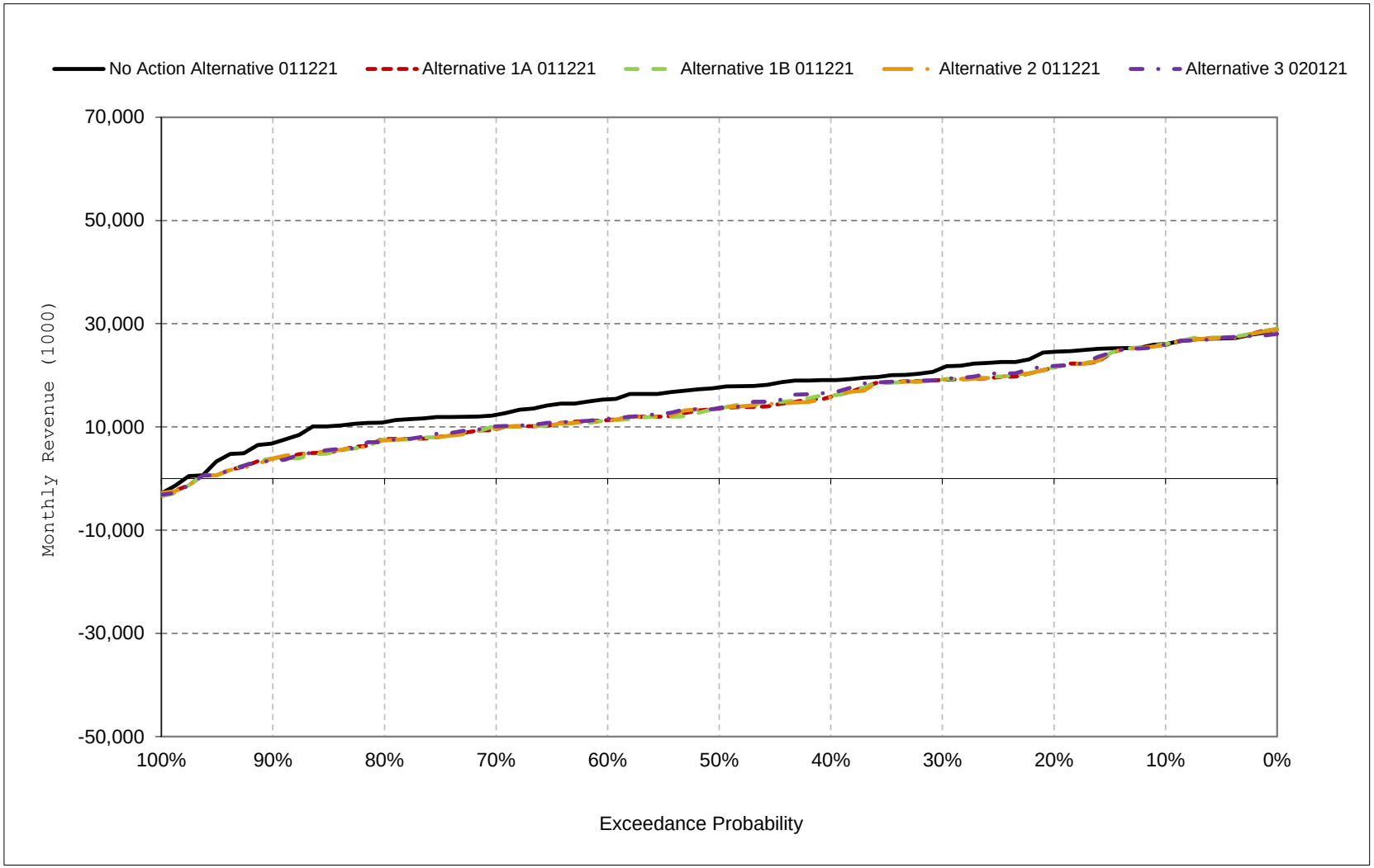
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 17-15. CVP, SWP, and Sites Project Facilities Net Revenue, June



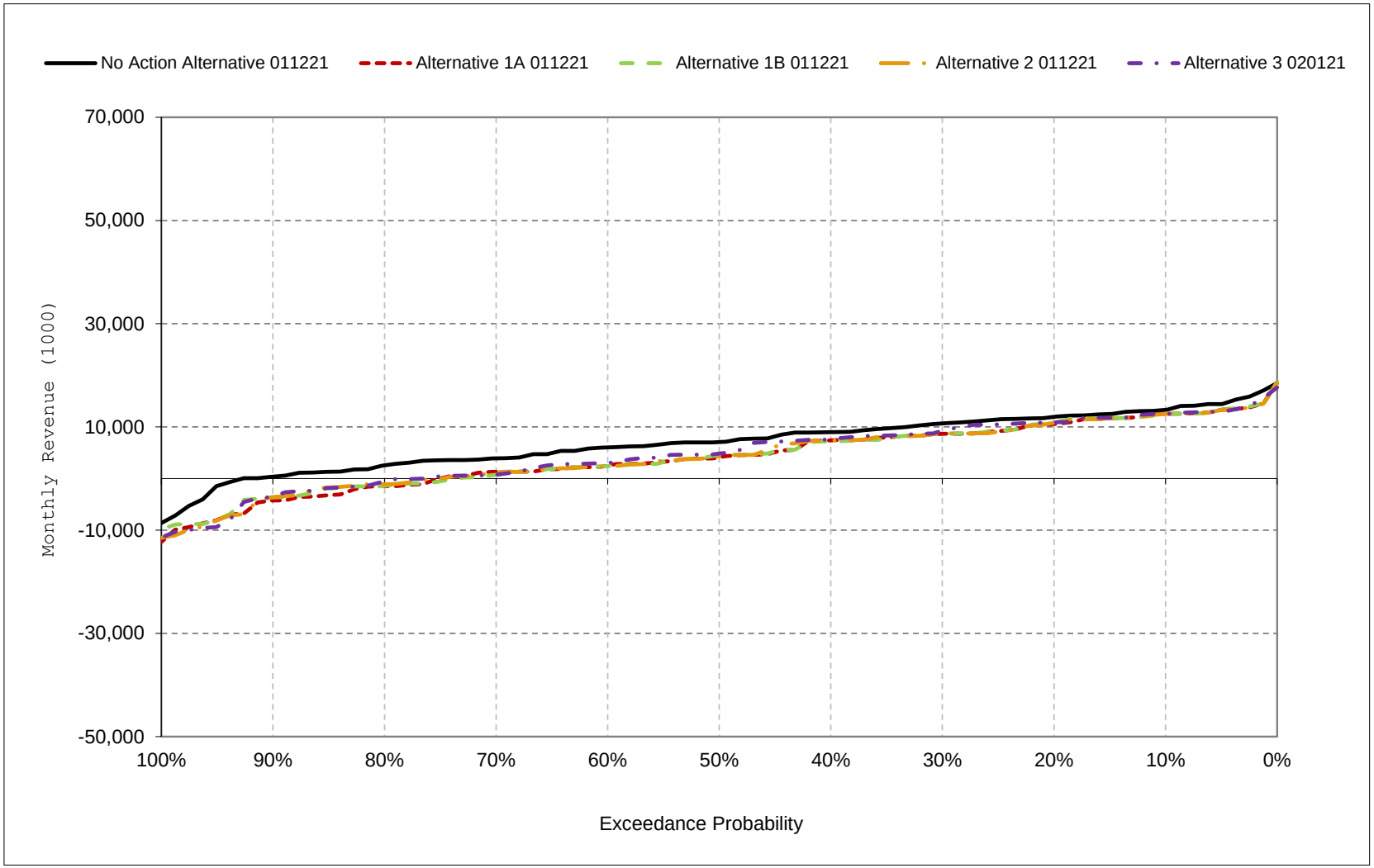
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 17-16. CVP, SWP, and Sites Project Facilities Net Revenue, July



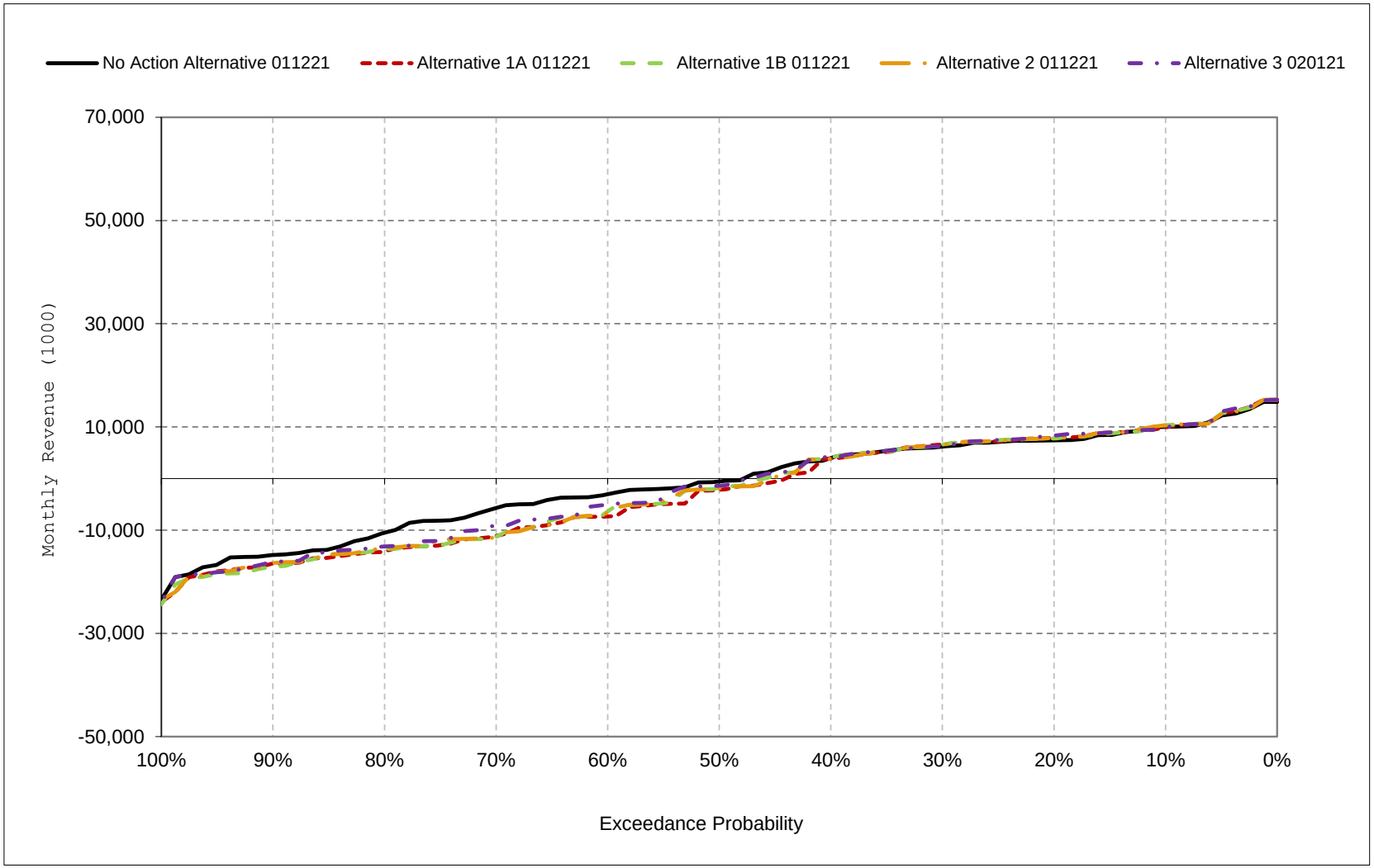
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 17-17. CVP, SWP, and Sites Project Facilities Net Revenue, August



*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 17-18. CVP, SWP, and Sites Project Facilities Net Revenue, September



*All scenarios are simulated at current climate and 0 cm sea level rise.

Table 18-1a. CVP Facilities Total Generation, No Action Alternative 011221, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	6,466
20%	6,011
30%	5,363
40%	5,018
50%	4,475
60%	4,015
70%	3,802
80%	3,501
90%	2,934
Long Term	
Full Simulation Period[a]	4,694
Water Year Types[b,c]	
Wet (32%)	6,232
Above Normal (15%)	5,162
Below Normal (17%)	4,167
Dry (22%)	3,692
Critical (15%)	3,008

Table 18-1b. CVP Facilities Total Generation, Alternative 1A 011221, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	6,469
20%	6,014
30%	5,343
40%	5,024
50%	4,487
60%	4,014
70%	3,798
80%	3,495
90%	2,919
Long Term	
Full Simulation Period[a]	4,696
Water Year Types[b,c]	
Wet (32%)	6,236
Above Normal (15%)	5,173
Below Normal (17%)	4,165
Dry (22%)	3,692
Critical (15%)	3,005

Table 18-1c. CVP Facilities Total Generation, Alternative 1A 011221 minus No Action Alternative 011221, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	3
20%	3
30%	-20
40%	6
50%	12
60%	-1
70%	-4
80%	-6
90%	-15
Long Term	
Full Simulation Period[a]	2
Water Year Types[b,c]	
Wet (32%)	3
Above Normal (15%)	11
Below Normal (17%)	-2
Dry (22%)	0
Critical (15%)	-3

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with Oct-Sep water year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 18-2a. CVP Facilities Total Generation, No Action Alternative 011221, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	6,466
20%	6,011
30%	5,363
40%	5,018
50%	4,475
60%	4,015
70%	3,802
80%	3,501
90%	2,934
Long Term	
Full Simulation Period[a]	4,694
Water Year Types[b,c]	
Wet (32%)	6,232
Above Normal (15%)	5,162
Below Normal (17%)	4,167
Dry (22%)	3,692
Critical (15%)	3,008

Table 18-2b. CVP Facilities Total Generation, Alternative 1B 011221, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	6,469
20%	6,015
30%	5,349
40%	4,989
50%	4,484
60%	4,027
70%	3,812
80%	3,488
90%	2,920
Long Term	
Full Simulation Period[a]	4,697
Water Year Types[b,c]	
Wet (32%)	6,243
Above Normal (15%)	5,163
Below Normal (17%)	4,157
Dry (22%)	3,699
Critical (15%)	3,007

Table 18-2c. CVP Facilities Total Generation, Alternative 1B 011221 minus No Action Alternative 011221, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	3
20%	3
30%	-14
40%	-29
50%	10
60%	12
70%	11
80%	-13
90%	-14
Long Term	
Full Simulation Period[a]	3
Water Year Types[b,c]	
Wet (32%)	11
Above Normal (15%)	2
Below Normal (17%)	-10
Dry (22%)	7
Critical (15%)	-1

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with Oct-Sep water year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 18-3a. CVP Facilities Total Generation, No Action Alternative 011221, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	6,466
20%	6,011
30%	5,363
40%	5,018
50%	4,475
60%	4,015
70%	3,802
80%	3,501
90%	2,934
Long Term	
Full Simulation Period[a]	4,694
Water Year Types[b,c]	
Wet (32%)	6,232
Above Normal (15%)	5,162
Below Normal (17%)	4,167
Dry (22%)	3,692
Critical (15%)	3,008

Table 18-3b. CVP Facilities Total Generation, Alternative 2 011221, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	6,469
20%	6,015
30%	5,341
40%	5,025
50%	4,487
60%	4,014
70%	3,797
80%	3,495
90%	2,920
Long Term	
Full Simulation Period[a]	4,695
Water Year Types[b,c]	
Wet (32%)	6,236
Above Normal (15%)	5,174
Below Normal (17%)	4,162
Dry (22%)	3,692
Critical (15%)	3,007

Table 18-3c. CVP Facilities Total Generation, Alternative 2 011221 minus No Action Alternative 011221, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	3
20%	3
30%	-22
40%	7
50%	12
60%	-1
70%	-5
80%	-6
90%	-15
Long Term	
Full Simulation Period[a]	2
Water Year Types[b,c]	
Wet (32%)	4
Above Normal (15%)	12
Below Normal (17%)	-5
Dry (22%)	0
Critical (15%)	-1

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with Oct-Sep water year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 18-4a. CVP Facilities Total Generation, No Action Alternative 011221, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	6,466
20%	6,011
30%	5,363
40%	5,018
50%	4,475
60%	4,015
70%	3,802
80%	3,501
90%	2,934
Long Term	
Full Simulation Period[a]	4,694
Water Year Types[b,c]	
Wet (32%)	6,232
Above Normal (15%)	5,162
Below Normal (17%)	4,167
Dry (22%)	3,692
Critical (15%)	3,008

Table 18-4b. CVP Facilities Total Generation, Alternative 3 020121, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	6,468
20%	6,018
30%	5,350
40%	4,982
50%	4,507
60%	4,008
70%	3,821
80%	3,525
90%	2,928
Long Term	
Full Simulation Period[a]	4,696
Water Year Types[b,c]	
Wet (32%)	6,255
Above Normal (15%)	5,139
Below Normal (17%)	4,140
Dry (22%)	3,698
Critical (15%)	3,020

Table 18-4c. CVP Facilities Total Generation, Alternative 3 020121 minus No Action Alternative 011221, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	3
20%	7
30%	-12
40%	-36
50%	32
60%	-7
70%	19
80%	24
90%	-6
Long Term	
Full Simulation Period[a]	2
Water Year Types[b,c]	
Wet (32%)	22
Above Normal (15%)	-23
Below Normal (17%)	-27
Dry (22%)	6
Critical (15%)	12

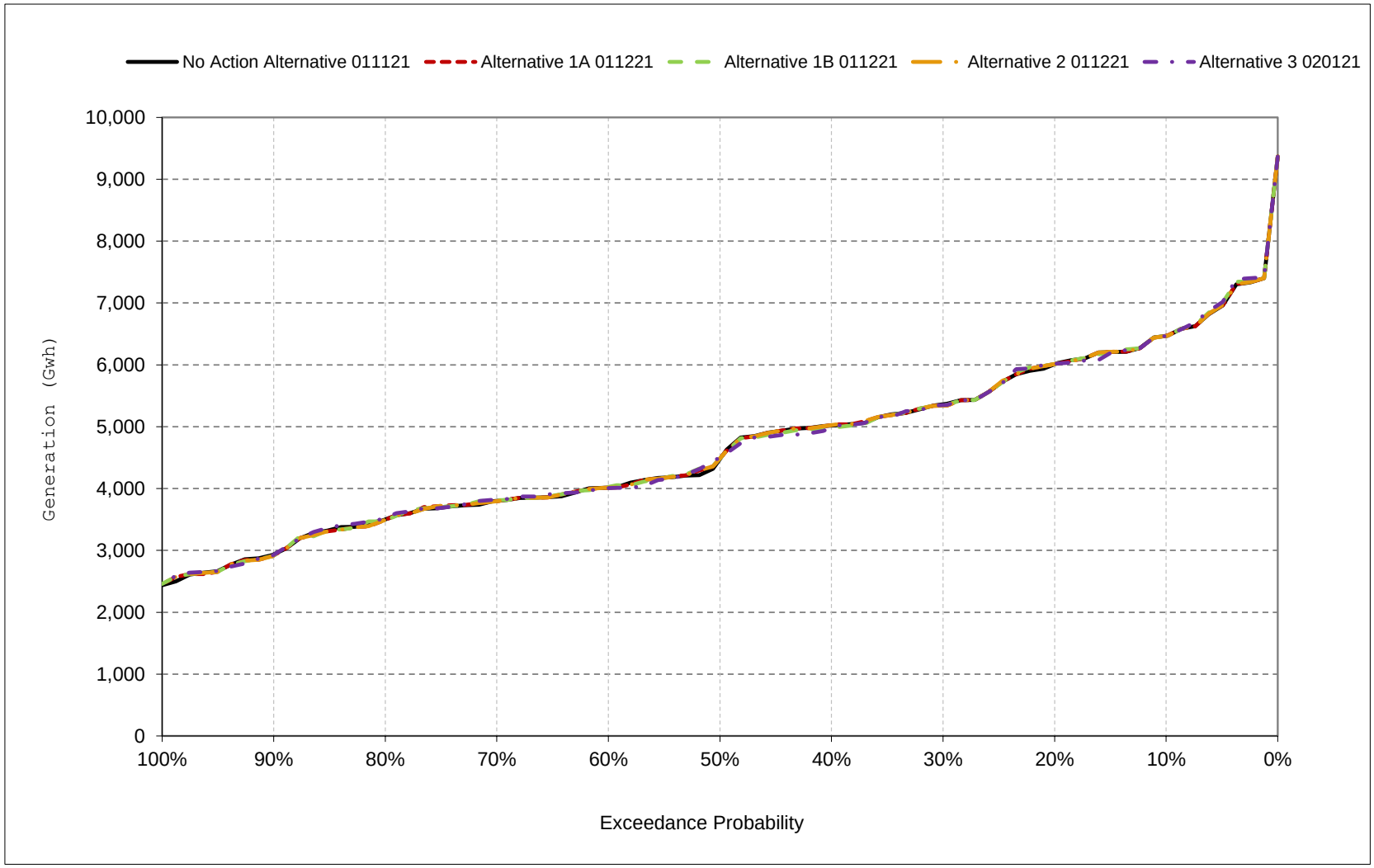
a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with Oct-Sep water year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 18-1. October-September CVP Facilities Total Generation



*All scenarios are simulated at current climate and 0 cm sea level rise.

Table 19-1a. CVP Facilities Total Energy Use, No Action Alternative 011221, Annual Energy Use (GWh)

Statistic	Energy Use (Gwh)
Probability of Exceedance	
10%	1,633
20%	1,529
30%	1,481
40%	1,423
50%	1,391
60%	1,315
70%	1,268
80%	1,149
90%	963
Long Term	
Full Simulation Period[a]	1,333
Water Year Types[b,c]	
Wet (32%)	1,527
Above Normal (15%)	1,409
Below Normal (17%)	1,409
Dry (22%)	1,220
Critical (15%)	920

Table 19-1b. CVP Facilities Total Energy Use, Alternative 1A 011221, Annual Energy Use (GWh)

Statistic	Energy Use (Gwh)
Probability of Exceedance	
10%	1,630
20%	1,541
30%	1,482
40%	1,422
50%	1,387
60%	1,316
70%	1,269
80%	1,131
90%	944
Long Term	
Full Simulation Period[a]	1,336
Water Year Types[b,c]	
Wet (32%)	1,529
Above Normal (15%)	1,413
Below Normal (17%)	1,410
Dry (22%)	1,221
Critical (15%)	927

Table 19-1c. CVP Facilities Total Energy Use, Alternative 1A 011221 minus No Action Alternative 011221, Annual Energy Use (GWh)

Statistic	Energy Use (Gwh)
Probability of Exceedance	
10%	-2
20%	13
30%	0
40%	0
50%	-3
60%	2
70%	2
80%	-18
90%	-19
Long Term	
Full Simulation Period[a]	3
Water Year Types[b,c]	
Wet (32%)	2
Above Normal (15%)	4
Below Normal (17%)	1
Dry (22%)	1
Critical (15%)	7

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with Oct-Sep water year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 19-2a. CVP Facilities Total Energy Use, No Action Alternative 011221, Annual Energy Use (GWh)

Statistic	Energy Use (Gwh)
Probability of Exceedance	
10%	1,633
20%	1,529
30%	1,481
40%	1,423
50%	1,391
60%	1,315
70%	1,268
80%	1,149
90%	963
Long Term	
Full Simulation Period[a]	1,333
Water Year Types[b,c]	
Wet (32%)	1,527
Above Normal (15%)	1,409
Below Normal (17%)	1,409
Dry (22%)	1,220
Critical (15%)	920

Table 19-2b. CVP Facilities Total Energy Use, Alternative 1B 011221, Annual Energy Use (GWh)

Statistic	Energy Use (Gwh)
Probability of Exceedance	
10%	1,635
20%	1,532
30%	1,482
40%	1,428
50%	1,399
60%	1,325
70%	1,269
80%	1,152
90%	961
Long Term	
Full Simulation Period[a]	1,339
Water Year Types[b,c]	
Wet (32%)	1,530
Above Normal (15%)	1,419
Below Normal (17%)	1,408
Dry (22%)	1,229
Critical (15%)	931

Table 19-2c. CVP Facilities Total Energy Use, Alternative 1B 011221 minus No Action Alternative 011221, Annual Energy Use (GWh)

Statistic	Energy Use (Gwh)
Probability of Exceedance	
10%	2
20%	4
30%	1
40%	5
50%	9
60%	11
70%	1
80%	3
90%	-2
Long Term	
Full Simulation Period[a]	6
Water Year Types[b,c]	
Wet (32%)	3
Above Normal (15%)	10
Below Normal (17%)	-1
Dry (22%)	8
Critical (15%)	11

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with Oct-Sep water year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 19-3a. CVP Facilities Total Energy Use, No Action Alternative 011221, Annual Energy Use (GWh)

Statistic	Energy Use (Gwh)
Probability of Exceedance	
10%	1,633
20%	1,529
30%	1,481
40%	1,423
50%	1,391
60%	1,315
70%	1,268
80%	1,149
90%	963
Long Term	
Full Simulation Period[a]	1,333
Water Year Types[b,c]	
Wet (32%)	1,527
Above Normal (15%)	1,409
Below Normal (17%)	1,409
Dry (22%)	1,220
Critical (15%)	920

Table 19-3b. CVP Facilities Total Energy Use, Alternative 2 011221, Annual Energy Use (GWh)

Statistic	Energy Use (Gwh)
Probability of Exceedance	
10%	1,630
20%	1,541
30%	1,482
40%	1,425
50%	1,388
60%	1,317
70%	1,271
80%	1,131
90%	944
Long Term	
Full Simulation Period[a]	1,336
Water Year Types[b,c]	
Wet (32%)	1,529
Above Normal (15%)	1,415
Below Normal (17%)	1,409
Dry (22%)	1,221
Critical (15%)	926

Table 19-3c. CVP Facilities Total Energy Use, Alternative 2 011221 minus No Action Alternative 011221, Annual Energy Use (GWh)

Statistic	Energy Use (Gwh)
Probability of Exceedance	
10%	-2
20%	13
30%	1
40%	3
50%	-3
60%	2
70%	4
80%	-18
90%	-19
Long Term	
Full Simulation Period[a]	2
Water Year Types[b,c]	
Wet (32%)	2
Above Normal (15%)	6
Below Normal (17%)	0
Dry (22%)	1
Critical (15%)	7

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with Oct-Sep water year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 19-4a. CVP Facilities Total Energy Use, No Action Alternative 011221, Annual Energy Use (GWh)

Statistic	Energy Use (Gwh)
Probability of Exceedance	
10%	1,633
20%	1,529
30%	1,481
40%	1,423
50%	1,391
60%	1,315
70%	1,268
80%	1,149
90%	963
Long Term	
Full Simulation Period[a]	1,333
Water Year Types[b,c]	
Wet (32%)	1,527
Above Normal (15%)	1,409
Below Normal (17%)	1,409
Dry (22%)	1,220
Critical (15%)	920

Table 19-4b. CVP Facilities Total Energy Use, Alternative 3 020121, Annual Energy Use (GWh)

Statistic	Energy Use (Gwh)
Probability of Exceedance	
10%	1,633
20%	1,533
30%	1,484
40%	1,434
50%	1,397
60%	1,325
70%	1,272
80%	1,160
90%	972
Long Term	
Full Simulation Period[a]	1,344
Water Year Types[b,c]	
Wet (32%)	1,528
Above Normal (15%)	1,429
Below Normal (17%)	1,412
Dry (22%)	1,234
Critical (15%)	942

Table 19-4c. CVP Facilities Total Energy Use, Alternative 3 020121 minus No Action Alternative 011221, Annual Energy Use (GWh)

Statistic	Energy Use (Gwh)
Probability of Exceedance	
10%	1
20%	4
30%	2
40%	12
50%	7
60%	11
70%	4
80%	11
90%	9
Long Term	
Full Simulation Period[a]	10
Water Year Types[b,c]	
Wet (32%)	1
Above Normal (15%)	20
Below Normal (17%)	3
Dry (22%)	14
Critical (15%)	22

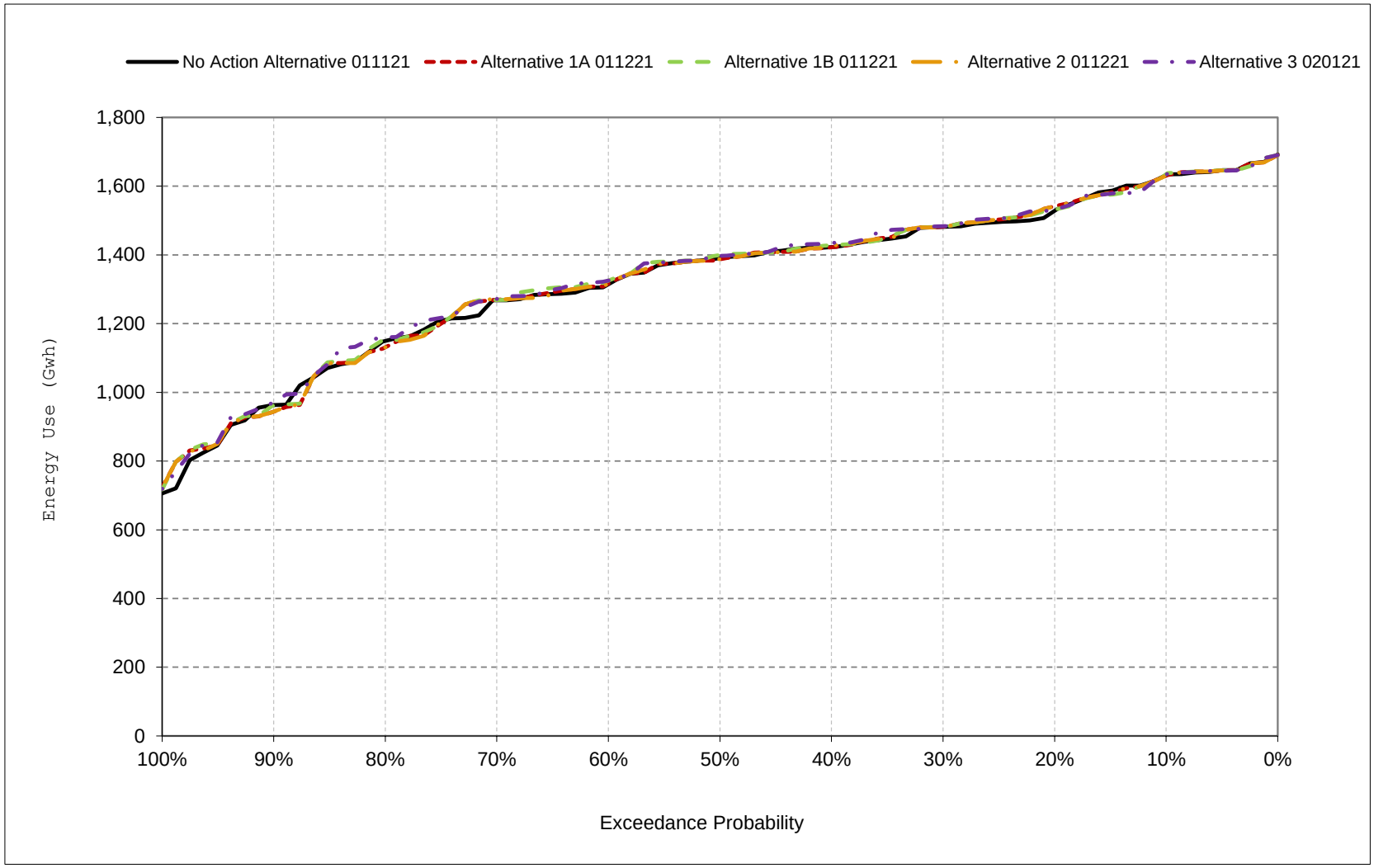
a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with Oct-Sep water year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 19-1. October-September CVP Facilities Total Energy Use



*All scenarios are simulated at current climate and 0 cm sea level rise.

Table 20-1a. CVP Facilities Net Generation, No Action Alternative 011221, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	4,974
20%	4,475
30%	3,924
40%	3,560
50%	3,078
60%	2,693
70%	2,480
80%	2,300
90%	1,981
Long Term	
Full Simulation Period[a]	3,360
Water Year Types[b,c]	
Wet (32%)	4,705
Above Normal (15%)	3,753
Below Normal (17%)	2,759
Dry (22%)	2,472
Critical (15%)	2,088

Table 20-1b. CVP Facilities Net Generation, Alternative 1A 011221, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	4,971
20%	4,464
30%	3,925
40%	3,556
50%	3,065
60%	2,680
70%	2,462
80%	2,302
90%	1,991
Long Term	
Full Simulation Period[a]	3,360
Water Year Types[b,c]	
Wet (32%)	4,707
Above Normal (15%)	3,759
Below Normal (17%)	2,755
Dry (22%)	2,471
Critical (15%)	2,079

Table 20-1c. CVP Facilities Net Generation, Alternative 1A 011221 minus No Action Alternative 011221, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	-3
20%	-11
30%	2
40%	-4
50%	-13
60%	-13
70%	-18
80%	2
90%	10
Long Term	
Full Simulation Period[a]	-1
Water Year Types[b,c]	
Wet (32%)	2
Above Normal (15%)	7
Below Normal (17%)	-3
Dry (22%)	-1
Critical (15%)	-10

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with Oct-Sep water year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 20-2a. CVP Facilities Net Generation, No Action Alternative 011221, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	4,974
20%	4,475
30%	3,924
40%	3,560
50%	3,078
60%	2,693
70%	2,480
80%	2,300
90%	1,981
Long Term	
Full Simulation Period[a]	3,360
Water Year Types[b,c]	
Wet (32%)	4,705
Above Normal (15%)	3,753
Below Normal (17%)	2,759
Dry (22%)	2,472
Critical (15%)	2,088

Table 20-2b. CVP Facilities Net Generation, Alternative 1B 011221, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	4,991
20%	4,467
30%	3,934
40%	3,534
50%	3,061
60%	2,670
70%	2,463
80%	2,299
90%	1,986
Long Term	
Full Simulation Period[a]	3,358
Water Year Types[b,c]	
Wet (32%)	4,713
Above Normal (15%)	3,745
Below Normal (17%)	2,749
Dry (22%)	2,470
Critical (15%)	2,076

Table 20-2c. CVP Facilities Net Generation, Alternative 1B 011221 minus No Action Alternative 011221, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	17
20%	-8
30%	11
40%	-26
50%	-16
60%	-23
70%	-16
80%	-1
90%	4
Long Term	
Full Simulation Period[a]	-2
Water Year Types[b,c]	
Wet (32%)	8
Above Normal (15%)	-8
Below Normal (17%)	-9
Dry (22%)	-1
Critical (15%)	-12

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with Oct-Sep water year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 20-3a. CVP Facilities Net Generation, No Action Alternative 011221, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	4,974
20%	4,475
30%	3,924
40%	3,560
50%	3,078
60%	2,693
70%	2,480
80%	2,300
90%	1,981
Long Term	
Full Simulation Period[a]	3,360
Water Year Types[b,c]	
Wet (32%)	4,705
Above Normal (15%)	3,753
Below Normal (17%)	2,759
Dry (22%)	2,472
Critical (15%)	2,088

Table 20-3b. CVP Facilities Net Generation, Alternative 2 011221, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	4,971
20%	4,467
30%	3,925
40%	3,558
50%	3,065
60%	2,680
70%	2,458
80%	2,305
90%	1,993
Long Term	
Full Simulation Period[a]	3,360
Water Year Types[b,c]	
Wet (32%)	4,707
Above Normal (15%)	3,759
Below Normal (17%)	2,753
Dry (22%)	2,471
Critical (15%)	2,080

Table 20-3c. CVP Facilities Net Generation, Alternative 2 011221 minus No Action Alternative 011221, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	-3
20%	-8
30%	1
40%	-2
50%	-13
60%	-13
70%	-21
80%	5
90%	12
Long Term	
Full Simulation Period[a]	-1
Water Year Types[b,c]	
Wet (32%)	2
Above Normal (15%)	6
Below Normal (17%)	-5
Dry (22%)	-1
Critical (15%)	-8

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with Oct-Sep water year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 20-4a. CVP Facilities Net Generation, No Action Alternative 011221, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	4,974
20%	4,475
30%	3,924
40%	3,560
50%	3,078
60%	2,693
70%	2,480
80%	2,300
90%	1,981
Long Term	
Full Simulation Period[a]	3,360
Water Year Types[b,c]	
Wet (32%)	4,705
Above Normal (15%)	3,753
Below Normal (17%)	2,759
Dry (22%)	2,472
Critical (15%)	2,088

Table 20-4b. CVP Facilities Net Generation, Alternative 3 020121, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	5,035
20%	4,450
30%	3,939
40%	3,489
50%	3,051
60%	2,652
70%	2,480
80%	2,306
90%	1,984
Long Term	
Full Simulation Period[a]	3,352
Water Year Types[b,c]	
Wet (32%)	4,727
Above Normal (15%)	3,709
Below Normal (17%)	2,728
Dry (22%)	2,464
Critical (15%)	2,078

Table 20-4c. CVP Facilities Net Generation, Alternative 3 020121 minus No Action Alternative 011221, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	60
20%	-24
30%	16
40%	-71
50%	-27
60%	-41
70%	0
80%	5
90%	3
Long Term	
Full Simulation Period[a]	-8
Water Year Types[b,c]	
Wet (32%)	22
Above Normal (15%)	-44
Below Normal (17%)	-30
Dry (22%)	-8
Critical (15%)	-10

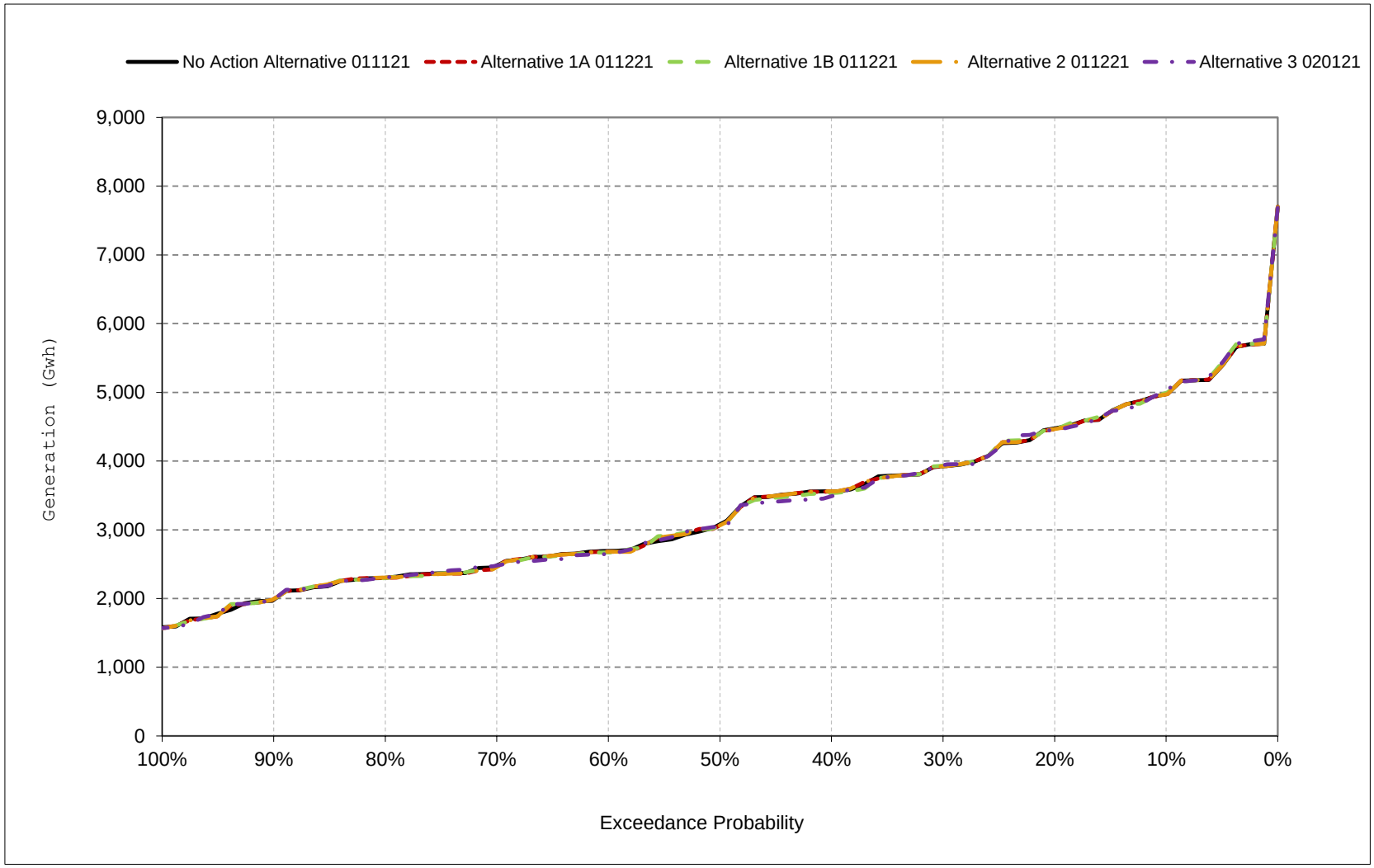
a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with Oct-Sep water year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 20-1. October-September CVP Facilities Net Generation



*All scenarios are simulated at current climate and 0 cm sea level rise.

Table 21-1a. CVP Facilities Net Revenue, No Action Alternative 011221, Annual Revenue (1000)

Statistic	Revenue (1000)
Probability of Exceedance	
10%	272,758
20%	243,336
30%	211,463
40%	192,427
50%	164,878
60%	144,467
70%	133,159
80%	123,580
90%	106,086
Long Term	
Full Simulation Period[a]	182,070
Water Year Types[b,c]	
Wet (32%)	256,376
Above Normal (15%)	203,507
Below Normal (17%)	148,902
Dry (22%)	132,763
Critical (15%)	112,296

Table 21-1b. CVP Facilities Net Revenue, Alternative 1A 011221, Annual Revenue (1000)

Statistic	Revenue (1000)
Probability of Exceedance	
10%	272,787
20%	242,956
30%	211,604
40%	192,829
50%	164,343
60%	144,259
70%	131,986
80%	123,559
90%	106,895
Long Term	
Full Simulation Period[a]	182,119
Water Year Types[b,c]	
Wet (32%)	256,507
Above Normal (15%)	203,874
Below Normal (17%)	148,773
Dry (22%)	132,864
Critical (15%)	111,981

Table 21-1c. CVP Facilities Net Revenue, Alternative 1A 011221 minus No Action Alternative 011221, Annual Revenue (1000)

Statistic	Revenue (1000)
Probability of Exceedance	
10%	29
20%	-381
30%	141
40%	402
50%	-535
60%	-207
70%	-1,173
80%	-21
90%	808
Long Term	
Full Simulation Period[a]	49
Water Year Types[b,c]	
Wet (32%)	131
Above Normal (15%)	367
Below Normal (17%)	-129
Dry (22%)	100
Critical (15%)	-315

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with Oct-Sep water year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 21-2a. CVP Facilities Net Revenue, No Action Alternative 011221, Annual Revenue (1000)

Statistic	Revenue (1000)
Probability of Exceedance	
10%	272,758
20%	243,336
30%	211,463
40%	192,427
50%	164,878
60%	144,467
70%	133,159
80%	123,580
90%	106,086
Long Term	
Full Simulation Period[a]	182,070
Water Year Types[b,c]	
Wet (32%)	256,376
Above Normal (15%)	203,507
Below Normal (17%)	148,902
Dry (22%)	132,763
Critical (15%)	112,296

Table 21-2b. CVP Facilities Net Revenue, Alternative 1B 011221, Annual Revenue (1000)

Statistic	Revenue (1000)
Probability of Exceedance	
10%	272,916
20%	242,990
30%	212,246
40%	191,642
50%	163,600
60%	144,422
70%	132,045
80%	122,617
90%	106,609
Long Term	
Full Simulation Period[a]	182,083
Water Year Types[b,c]	
Wet (32%)	256,831
Above Normal (15%)	203,210
Below Normal (17%)	148,552
Dry (22%)	132,893
Critical (15%)	111,909

Table 21-2c. CVP Facilities Net Revenue, Alternative 1B 011221 minus No Action Alternative 011221, Annual Revenue (1000)

Statistic	Revenue (1000)
Probability of Exceedance	
10%	158
20%	-346
30%	783
40%	-785
50%	-1,278
60%	-44
70%	-1,114
80%	-963
90%	523
Long Term	
Full Simulation Period[a]	13
Water Year Types[b,c]	
Wet (32%)	456
Above Normal (15%)	-297
Below Normal (17%)	-350
Dry (22%)	129
Critical (15%)	-386

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with Oct-Sep water year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 21-3a. CVP Facilities Net Revenue, No Action Alternative 011221, Annual Revenue (1000)

Statistic	Revenue (1000)
Probability of Exceedance	
10%	272,758
20%	243,336
30%	211,463
40%	192,427
50%	164,878
60%	144,467
70%	133,159
80%	123,580
90%	106,086
Long Term	
Full Simulation Period[a]	182,070
Water Year Types[b,c]	
Wet (32%)	256,376
Above Normal (15%)	203,507
Below Normal (17%)	148,902
Dry (22%)	132,763
Critical (15%)	112,296

Table 21-3b. CVP Facilities Net Revenue, Alternative 2 011221, Annual Revenue (1000)

Statistic	Revenue (1000)
Probability of Exceedance	
10%	272,790
20%	242,991
30%	211,562
40%	192,956
50%	164,343
60%	144,259
70%	131,784
80%	123,596
90%	106,959
Long Term	
Full Simulation Period[a]	182,124
Water Year Types[b,c]	
Wet (32%)	256,523
Above Normal (15%)	203,854
Below Normal (17%)	148,668
Dry (22%)	132,874
Critical (15%)	112,101

Table 21-3c. CVP Facilities Net Revenue, Alternative 2 011221 minus No Action Alternative 011221, Annual Revenue (1000)

Statistic	Revenue (1000)
Probability of Exceedance	
10%	32
20%	-345
30%	99
40%	529
50%	-535
60%	-208
70%	-1,375
80%	16
90%	872
Long Term	
Full Simulation Period[a]	54
Water Year Types[b,c]	
Wet (32%)	148
Above Normal (15%)	348
Below Normal (17%)	-234
Dry (22%)	111
Critical (15%)	-195

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with Oct-Sep water year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 21-4a. CVP Facilities Net Revenue, No Action Alternative 011221, Annual Revenue (1000)

Statistic	Revenue (1000)
Probability of Exceedance	
10%	272,758
20%	243,336
30%	211,463
40%	192,427
50%	164,878
60%	144,467
70%	133,159
80%	123,580
90%	106,086
Long Term	
Full Simulation Period[a]	182,070
Water Year Types[b,c]	
Wet (32%)	256,376
Above Normal (15%)	203,507
Below Normal (17%)	148,902
Dry (22%)	132,763
Critical (15%)	112,296

Table 21-4b. CVP Facilities Net Revenue, Alternative 3 020121, Annual Revenue (1000)

Statistic	Revenue (1000)
Probability of Exceedance	
10%	273,364
20%	243,220
30%	212,560
40%	190,852
50%	162,986
60%	143,165
70%	133,493
80%	123,918
90%	106,615
Long Term	
Full Simulation Period[a]	181,807
Water Year Types[b,c]	
Wet (32%)	257,600
Above Normal (15%)	201,141
Below Normal (17%)	147,528
Dry (22%)	132,622
Critical (15%)	112,023

Table 21-4c. CVP Facilities Net Revenue, Alternative 3 020121 minus No Action Alternative 011221, Annual Revenue (1000)

Statistic	Revenue (1000)
Probability of Exceedance	
10%	606
20%	-116
30%	1,097
40%	-1,575
50%	-1,892
60%	-1,302
70%	335
80%	338
90%	529
Long Term	
Full Simulation Period[a]	-263
Water Year Types[b,c]	
Wet (32%)	1,225
Above Normal (15%)	-2,366
Below Normal (17%)	-1,374
Dry (22%)	-141
Critical (15%)	-272

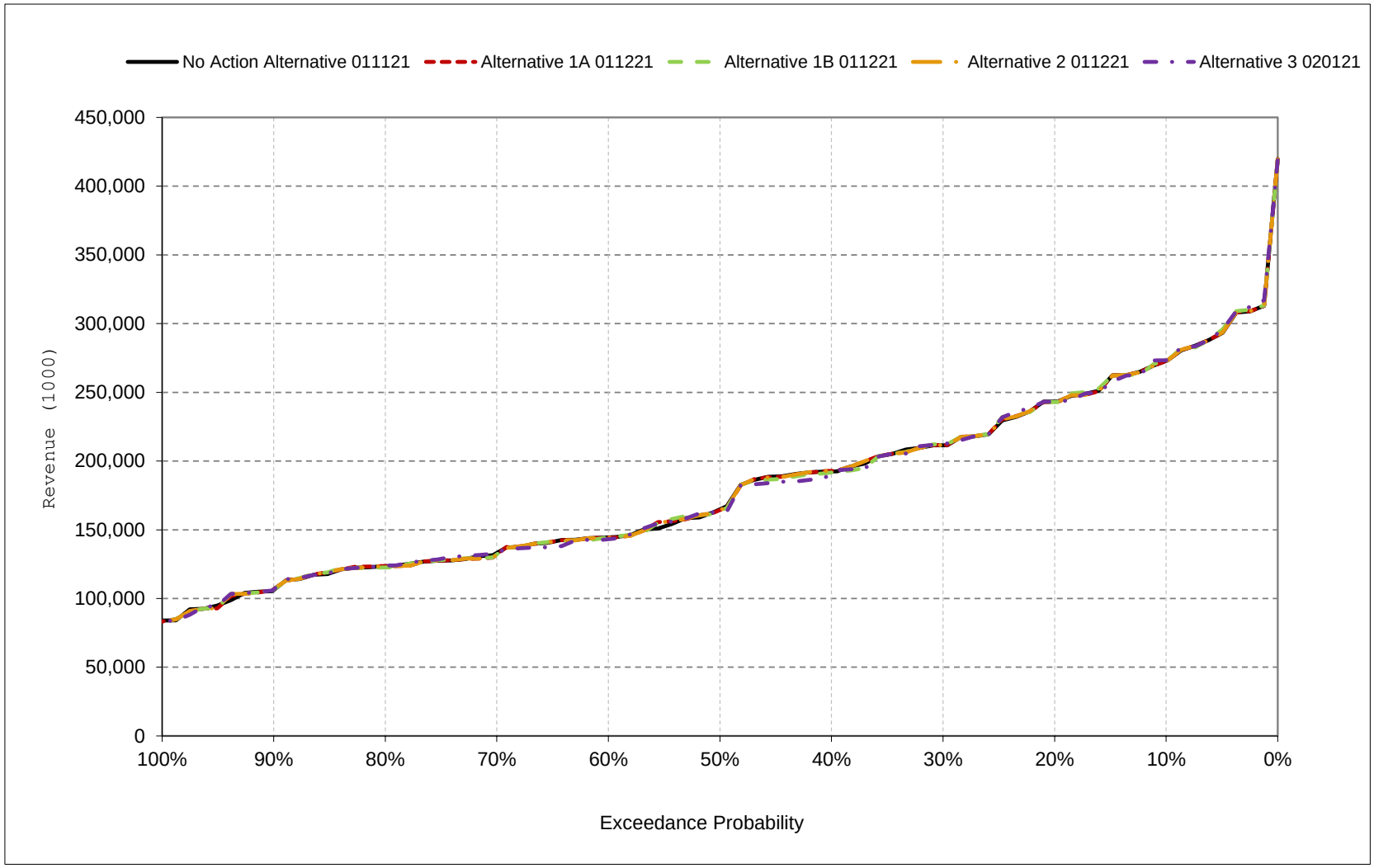
a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with Oct-Sep water year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 21-1. October-September CVP Facilities Net Revenue



*All scenarios are simulated at current climate and 0 cm sea level rise.

Table 22-1a. SWP Facilities Total Generation, No Action Alternative 011221, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	5,721
20%	5,223
30%	4,830
40%	4,462
50%	4,046
60%	3,585
70%	2,980
80%	2,627
90%	2,014
Long Term	
Full Simulation Period[a]	3,936
Water Year Types[b,c]	
Wet (32%)	5,437
Above Normal (15%)	4,333
Below Normal (17%)	3,768
Dry (22%)	2,861
Critical (15%)	2,097

Table 22-1b. SWP Facilities Total Generation, Alternative 1A 011221, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	5,735
20%	5,255
30%	4,872
40%	4,569
50%	4,038
60%	3,639
70%	3,212
80%	2,812
90%	2,092
Long Term	
Full Simulation Period[a]	4,037
Water Year Types[b,c]	
Wet (32%)	5,472
Above Normal (15%)	4,402
Below Normal (17%)	3,839
Dry (22%)	3,036
Critical (15%)	2,294

Table 22-1c. SWP Facilities Total Generation, Alternative 1A 011221 minus No Action Alternative 011221, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	14
20%	32
30%	42
40%	107
50%	-8
60%	54
70%	232
80%	185
90%	78
Long Term	
Full Simulation Period[a]	101
Water Year Types[b,c]	
Wet (32%)	35
Above Normal (15%)	69
Below Normal (17%)	71
Dry (22%)	176
Critical (15%)	197

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with Oct-Sep water year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 22-2a. SWP Facilities Total Generation, No Action Alternative 011221, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	5,721
20%	5,223
30%	4,830
40%	4,462
50%	4,046
60%	3,585
70%	2,980
80%	2,627
90%	2,014
Long Term	
Full Simulation Period[a]	3,936
Water Year Types[b,c]	
Wet (32%)	5,437
Above Normal (15%)	4,333
Below Normal (17%)	3,768
Dry (22%)	2,861
Critical (15%)	2,097

Table 22-2b. SWP Facilities Total Generation, Alternative 1B 011221, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	5,735
20%	5,188
30%	4,877
40%	4,564
50%	4,048
60%	3,641
70%	3,153
80%	2,820
90%	2,078
Long Term	
Full Simulation Period[a]	4,028
Water Year Types[b,c]	
Wet (32%)	5,454
Above Normal (15%)	4,387
Below Normal (17%)	3,834
Dry (22%)	3,026
Critical (15%)	2,307

Table 22-2c. SWP Facilities Total Generation, Alternative 1B 011221 minus No Action Alternative 011221, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	14
20%	-34
30%	46
40%	102
50%	2
60%	56
70%	173
80%	193
90%	65
Long Term	
Full Simulation Period[a]	91
Water Year Types[b,c]	
Wet (32%)	17
Above Normal (15%)	54
Below Normal (17%)	66
Dry (22%)	165
Critical (15%)	210

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with Oct-Sep water year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 22-3a. SWP Facilities Total Generation, No Action Alternative 011221, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	5,721
20%	5,223
30%	4,830
40%	4,462
50%	4,046
60%	3,585
70%	2,980
80%	2,627
90%	2,014
Long Term	
Full Simulation Period[a]	3,936
Water Year Types[b,c]	
Wet (32%)	5,437
Above Normal (15%)	4,333
Below Normal (17%)	3,768
Dry (22%)	2,861
Critical (15%)	2,097

Table 22-3b. SWP Facilities Total Generation, Alternative 2 011221, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	5,735
20%	5,275
30%	4,867
40%	4,575
50%	4,039
60%	3,633
70%	3,143
80%	2,812
90%	2,066
Long Term	
Full Simulation Period[a]	4,026
Water Year Types[b,c]	
Wet (32%)	5,469
Above Normal (15%)	4,382
Below Normal (17%)	3,805
Dry (22%)	3,036
Critical (15%)	2,286

Table 22-3c. SWP Facilities Total Generation, Alternative 2 011221 minus No Action Alternative 011221, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	14
20%	52
30%	37
40%	113
50%	-7
60%	47
70%	163
80%	185
90%	52
Long Term	
Full Simulation Period[a]	90
Water Year Types[b,c]	
Wet (32%)	32
Above Normal (15%)	49
Below Normal (17%)	37
Dry (22%)	175
Critical (15%)	189

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with Oct-Sep water year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 22-4a. SWP Facilities Total Generation, No Action Alternative 011221, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	5,721
20%	5,223
30%	4,830
40%	4,462
50%	4,046
60%	3,585
70%	2,980
80%	2,627
90%	2,014
Long Term	
Full Simulation Period[a]	3,936
Water Year Types[b,c]	
Wet (32%)	5,437
Above Normal (15%)	4,333
Below Normal (17%)	3,768
Dry (22%)	2,861
Critical (15%)	2,097

Table 22-4b. SWP Facilities Total Generation, Alternative 3 020121, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	5,735
20%	5,210
30%	4,879
40%	4,539
50%	4,026
60%	3,599
70%	3,105
80%	2,816
90%	2,055
Long Term	
Full Simulation Period[a]	4,010
Water Year Types[b,c]	
Wet (32%)	5,463
Above Normal (15%)	4,352
Below Normal (17%)	3,795
Dry (22%)	3,013
Critical (15%)	2,265

Table 22-4c. SWP Facilities Total Generation, Alternative 3 020121 minus No Action Alternative 011221, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	14
20%	-13
30%	49
40%	77
50%	-20
60%	14
70%	125
80%	189
90%	42
Long Term	
Full Simulation Period[a]	74
Water Year Types[b,c]	
Wet (32%)	26
Above Normal (15%)	19
Below Normal (17%)	27
Dry (22%)	153
Critical (15%)	168

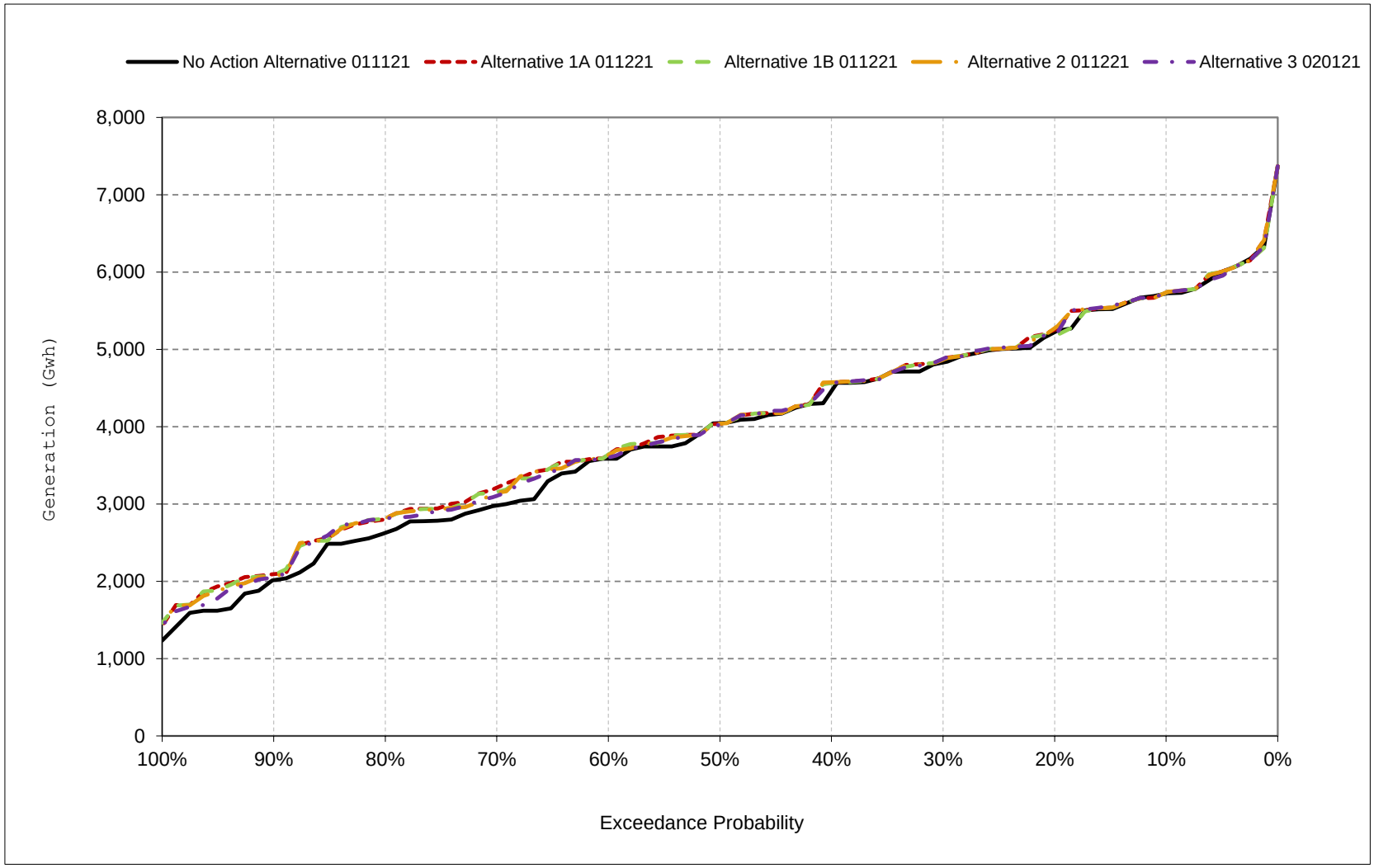
a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with Oct-Sep water year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 22-1. October-September SWP Facilities Total Generation



*All scenarios are simulated at current climate and 0 cm sea level rise.

Table 23-1a. SWP Facilities Total Energy Use, No Action Alternative 011221, Annual Energy Use (GWh)

Statistic	Energy Use (Gwh)
Probability of Exceedance	
10%	9,052
20%	8,758
30%	8,284
40%	7,835
50%	7,450
60%	6,648
70%	5,884
80%	5,073
90%	3,905
Long Term	
Full Simulation Period[a]	6,919
Water Year Types[b,c]	
Wet (32%)	8,662
Above Normal (15%)	7,601
Below Normal (17%)	7,424
Dry (22%)	5,469
Critical (15%)	4,048

Table 23-1b. SWP Facilities Total Energy Use, Alternative 1A 011221, Annual Energy Use (GWh)

Statistic	Energy Use (Gwh)
Probability of Exceedance	
10%	9,056
20%	8,818
30%	8,413
40%	8,115
50%	7,565
60%	7,029
70%	6,487
80%	5,679
90%	4,439
Long Term	
Full Simulation Period[a]	7,254
Water Year Types[b,c]	
Wet (32%)	8,738
Above Normal (15%)	7,811
Below Normal (17%)	7,643
Dry (22%)	6,130
Critical (15%)	4,710

Table 23-1c. SWP Facilities Total Energy Use, Alternative 1A 011221 minus No Action Alternative 011221, Annual Energy Use (GWh)

Statistic	Energy Use (Gwh)
Probability of Exceedance	
10%	5
20%	60
30%	129
40%	280
50%	115
60%	381
70%	603
80%	606
90%	534
Long Term	
Full Simulation Period[a]	334
Water Year Types[b,c]	
Wet (32%)	76
Above Normal (15%)	211
Below Normal (17%)	219
Dry (22%)	660
Critical (15%)	662

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with Oct-Sep water year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 23-2a. SWP Facilities Total Energy Use, No Action Alternative 011221, Annual Energy Use (GWh)

Statistic	Energy Use (Gwh)
Probability of Exceedance	
10%	9,052
20%	8,758
30%	8,284
40%	7,835
50%	7,450
60%	6,648
70%	5,884
80%	5,073
90%	3,905
Long Term	
Full Simulation Period[a]	6,919
Water Year Types[b,c]	
Wet (32%)	8,662
Above Normal (15%)	7,601
Below Normal (17%)	7,424
Dry (22%)	5,469
Critical (15%)	4,048

Table 23-2b. SWP Facilities Total Energy Use, Alternative 1B 011221, Annual Energy Use (GWh)

Statistic	Energy Use (Gwh)
Probability of Exceedance	
10%	9,056
20%	8,791
30%	8,366
40%	8,091
50%	7,450
60%	7,008
70%	6,411
80%	5,681
90%	4,319
Long Term	
Full Simulation Period[a]	7,224
Water Year Types[b,c]	
Wet (32%)	8,686
Above Normal (15%)	7,764
Below Normal (17%)	7,619
Dry (22%)	6,093
Critical (15%)	4,754

Table 23-2c. SWP Facilities Total Energy Use, Alternative 1B 011221 minus No Action Alternative 011221, Annual Energy Use (GWh)

Statistic	Energy Use (Gwh)
Probability of Exceedance	
10%	4
20%	33
30%	82
40%	256
50%	0
60%	360
70%	527
80%	608
90%	414
Long Term	
Full Simulation Period[a]	305
Water Year Types[b,c]	
Wet (32%)	24
Above Normal (15%)	163
Below Normal (17%)	194
Dry (22%)	623
Critical (15%)	707

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with Oct-Sep water year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 23-3a. SWP Facilities Total Energy Use, No Action Alternative 011221, Annual Energy Use (GWh)

Statistic	Energy Use (Gwh)
Probability of Exceedance	
10%	9,052
20%	8,758
30%	8,284
40%	7,835
50%	7,450
60%	6,648
70%	5,884
80%	5,073
90%	3,905
Long Term	
Full Simulation Period[a]	6,919
Water Year Types[b,c]	
Wet (32%)	8,662
Above Normal (15%)	7,601
Below Normal (17%)	7,424
Dry (22%)	5,469
Critical (15%)	4,048

Table 23-3b. SWP Facilities Total Energy Use, Alternative 2 011221, Annual Energy Use (GWh)

Statistic	Energy Use (Gwh)
Probability of Exceedance	
10%	9,055
20%	8,794
30%	8,418
40%	8,108
50%	7,556
60%	7,053
70%	6,347
80%	5,561
90%	4,299
Long Term	
Full Simulation Period[a]	7,217
Water Year Types[b,c]	
Wet (32%)	8,728
Above Normal (15%)	7,745
Below Normal (17%)	7,560
Dry (22%)	6,110
Critical (15%)	4,678

Table 23-3c. SWP Facilities Total Energy Use, Alternative 2 011221 minus No Action Alternative 011221, Annual Energy Use (GWh)

Statistic	Energy Use (Gwh)
Probability of Exceedance	
10%	3
20%	36
30%	134
40%	273
50%	106
60%	405
70%	463
80%	488
90%	395
Long Term	
Full Simulation Period[a]	298
Water Year Types[b,c]	
Wet (32%)	66
Above Normal (15%)	145
Below Normal (17%)	136
Dry (22%)	641
Critical (15%)	631

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with Oct-Sep water year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 23-4a. SWP Facilities Total Energy Use, No Action Alternative 011221, Annual Energy Use (GWh)

Statistic	Energy Use (Gwh)
Probability of Exceedance	
10%	9,052
20%	8,758
30%	8,284
40%	7,835
50%	7,450
60%	6,648
70%	5,884
80%	5,073
90%	3,905
Long Term	
Full Simulation Period[a]	6,919
Water Year Types[b,c]	
Wet (32%)	8,662
Above Normal (15%)	7,601
Below Normal (17%)	7,424
Dry (22%)	5,469
Critical (15%)	4,048

Table 23-4b. SWP Facilities Total Energy Use, Alternative 3 020121, Annual Energy Use (GWh)

Statistic	Energy Use (Gwh)
Probability of Exceedance	
10%	9,052
20%	8,750
30%	8,340
40%	8,094
50%	7,580
60%	7,009
70%	6,340
80%	5,577
90%	4,203
Long Term	
Full Simulation Period[a]	7,167
Water Year Types[b,c]	
Wet (32%)	8,705
Above Normal (15%)	7,704
Below Normal (17%)	7,536
Dry (22%)	6,014
Critical (15%)	4,596

Table 23-4c. SWP Facilities Total Energy Use, Alternative 3 020121 minus No Action Alternative 011221, Annual Energy Use (GWh)

Statistic	Energy Use (Gwh)
Probability of Exceedance	
10%	0
20%	-9
30%	56
40%	259
50%	130
60%	362
70%	457
80%	504
90%	298
Long Term	
Full Simulation Period[a]	248
Water Year Types[b,c]	
Wet (32%)	43
Above Normal (15%)	104
Below Normal (17%)	112
Dry (22%)	545
Critical (15%)	549

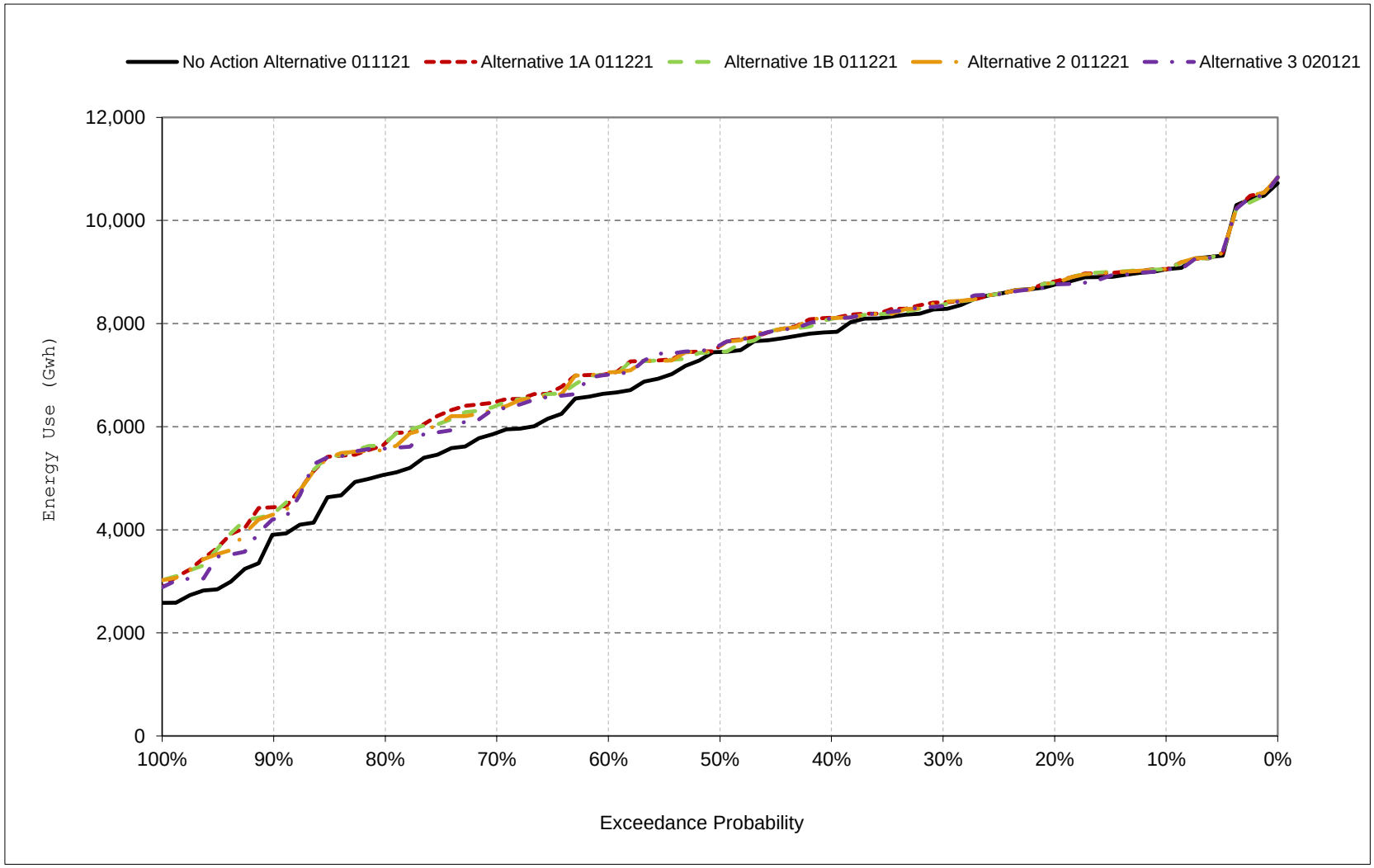
a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with Oct-Sep water year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 23-1. October-September SWP Facilities Total Energy Use



*All scenarios are simulated at current climate and 0 cm sea level rise.

Table 24-1a. SWP Facilities Net Generation, No Action Alternative 011221, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	-1,669
20%	-2,367
30%	-2,646
40%	-2,839
50%	-3,041
60%	-3,223
70%	-3,461
80%	-3,708
90%	-4,029
Long Term	
Full Simulation Period[a]	-2,983
Water Year Types[b,c]	
Wet (32%)	-3,225
Above Normal (15%)	-3,268
Below Normal (17%)	-3,656
Dry (22%)	-2,609
Critical (15%)	-1,950

Table 24-1b. SWP Facilities Net Generation, Alternative 1A 011221, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	-2,129
20%	-2,693
30%	-2,925
40%	-3,107
50%	-3,183
60%	-3,429
70%	-3,527
80%	-3,778
90%	-4,123
Long Term	
Full Simulation Period[a]	-3,217
Water Year Types[b,c]	
Wet (32%)	-3,266
Above Normal (15%)	-3,409
Below Normal (17%)	-3,804
Dry (22%)	-3,094
Critical (15%)	-2,416

Table 24-1c. SWP Facilities Net Generation, Alternative 1A 011221 minus No Action Alternative 011221, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	-460
20%	-326
30%	-278
40%	-268
50%	-142
60%	-206
70%	-66
80%	-71
90%	-94
Long Term	
Full Simulation Period[a]	-234
Water Year Types[b,c]	
Wet (32%)	-41
Above Normal (15%)	-141
Below Normal (17%)	-148
Dry (22%)	-485
Critical (15%)	-466

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with Oct-Sep water year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 24-2a. SWP Facilities Net Generation, No Action Alternative 011221, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	-1,669
20%	-2,367
30%	-2,646
40%	-2,839
50%	-3,041
60%	-3,223
70%	-3,461
80%	-3,708
90%	-4,029
Long Term	
Full Simulation Period[a]	-2,983
Water Year Types[b,c]	
Wet (32%)	-3,225
Above Normal (15%)	-3,268
Below Normal (17%)	-3,656
Dry (22%)	-2,609
Critical (15%)	-1,950

Table 24-2b. SWP Facilities Net Generation, Alternative 1B 011221, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	-2,111
20%	-2,671
30%	-2,919
40%	-3,082
50%	-3,186
60%	-3,405
70%	-3,518
80%	-3,779
90%	-4,132
Long Term	
Full Simulation Period[a]	-3,196
Water Year Types[b,c]	
Wet (32%)	-3,232
Above Normal (15%)	-3,377
Below Normal (17%)	-3,785
Dry (22%)	-3,067
Critical (15%)	-2,447

Table 24-2c. SWP Facilities Net Generation, Alternative 1B 011221 minus No Action Alternative 011221, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	-441
20%	-303
30%	-272
40%	-243
50%	-145
60%	-182
70%	-57
80%	-72
90%	-103
Long Term	
Full Simulation Period[a]	-213
Water Year Types[b,c]	
Wet (32%)	-7
Above Normal (15%)	-109
Below Normal (17%)	-129
Dry (22%)	-458
Critical (15%)	-497

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with Oct-Sep water year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 24-3a. SWP Facilities Net Generation, No Action Alternative 011221, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	-1,669
20%	-2,367
30%	-2,646
40%	-2,839
50%	-3,041
60%	-3,223
70%	-3,461
80%	-3,708
90%	-4,029
Long Term	
Full Simulation Period[a]	-2,983
Water Year Types[b,c]	
Wet (32%)	-3,225
Above Normal (15%)	-3,268
Below Normal (17%)	-3,656
Dry (22%)	-2,609
Critical (15%)	-1,950

Table 24-3b. SWP Facilities Net Generation, Alternative 2 011221, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	-2,122
20%	-2,632
30%	-2,901
40%	-3,072
50%	-3,194
60%	-3,393
70%	-3,525
80%	-3,771
90%	-4,126
Long Term	
Full Simulation Period[a]	-3,191
Water Year Types[b,c]	
Wet (32%)	-3,259
Above Normal (15%)	-3,363
Below Normal (17%)	-3,755
Dry (22%)	-3,075
Critical (15%)	-2,392

Table 24-3c. SWP Facilities Net Generation, Alternative 2 011221 minus No Action Alternative 011221, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	-453
20%	-265
30%	-255
40%	-233
50%	-153
60%	-170
70%	-64
80%	-64
90%	-97
Long Term	
Full Simulation Period[a]	-208
Water Year Types[b,c]	
Wet (32%)	-34
Above Normal (15%)	-95
Below Normal (17%)	-98
Dry (22%)	-466
Critical (15%)	-442

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with Oct-Sep water year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 24-4a. SWP Facilities Net Generation, No Action Alternative 011221, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	-1,669
20%	-2,367
30%	-2,646
40%	-2,839
50%	-3,041
60%	-3,223
70%	-3,461
80%	-3,708
90%	-4,029
Long Term	
Full Simulation Period[a]	-2,983
Water Year Types[b,c]	
Wet (32%)	-3,225
Above Normal (15%)	-3,268
Below Normal (17%)	-3,656
Dry (22%)	-2,609
Critical (15%)	-1,950

Table 24-4b. SWP Facilities Net Generation, Alternative 3 020121, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	-1,928
20%	-2,643
30%	-2,854
40%	-3,052
50%	-3,223
60%	-3,333
70%	-3,497
80%	-3,832
90%	-4,114
Long Term	
Full Simulation Period[a]	-3,157
Water Year Types[b,c]	
Wet (32%)	-3,242
Above Normal (15%)	-3,353
Below Normal (17%)	-3,740
Dry (22%)	-3,001
Critical (15%)	-2,331

Table 24-4c. SWP Facilities Net Generation, Alternative 3 020121 minus No Action Alternative 011221, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	-259
20%	-276
30%	-207
40%	-213
50%	-182
60%	-110
70%	-36
80%	-125
90%	-85
Long Term	
Full Simulation Period[a]	-174
Water Year Types[b,c]	
Wet (32%)	-17
Above Normal (15%)	-85
Below Normal (17%)	-84
Dry (22%)	-393
Critical (15%)	-381

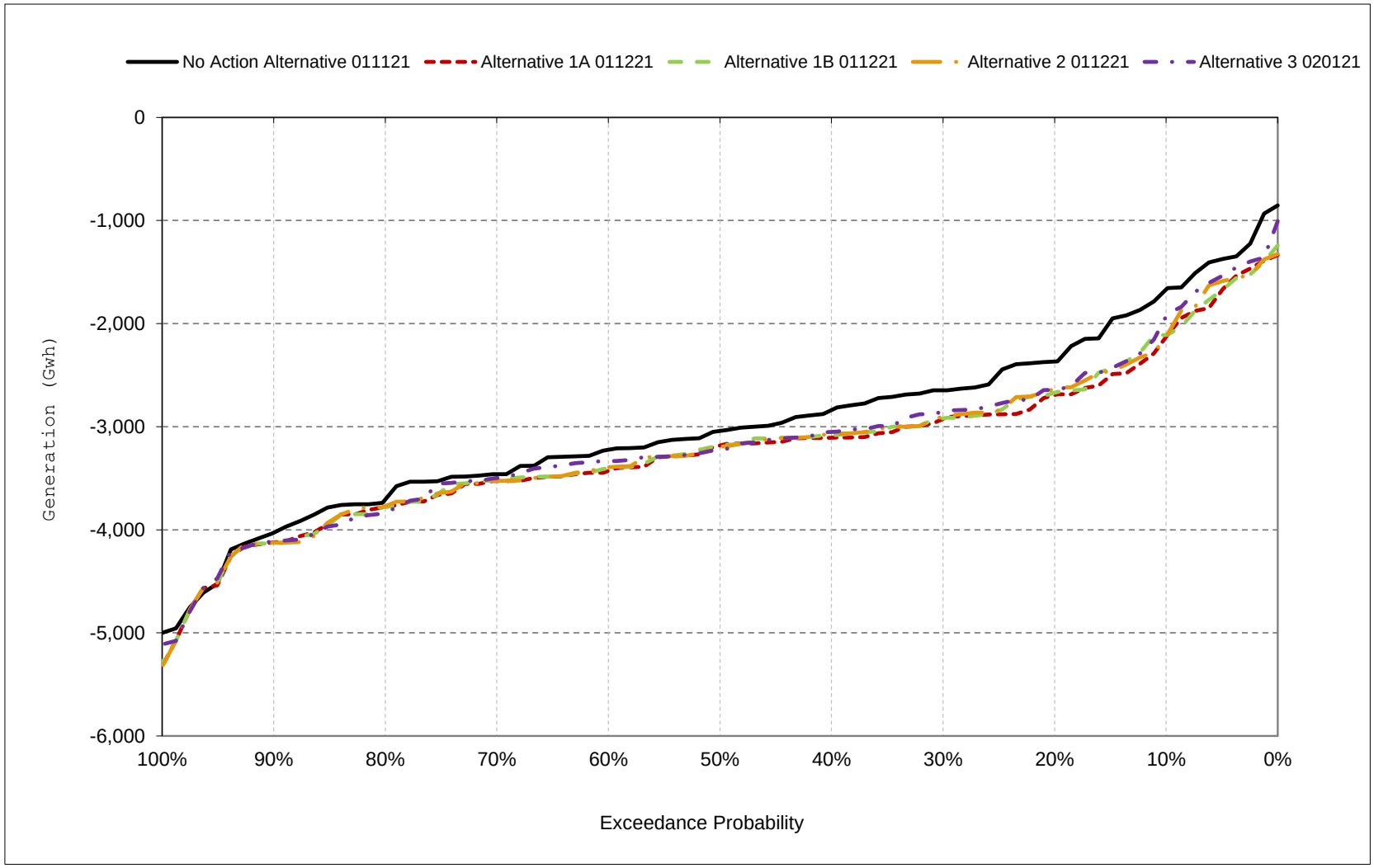
a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with Oct-Sep water year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 24-1. October-September SWP Facilities Net Generation



*All scenarios are simulated at current climate and 0 cm sea level rise.

Table 25-1a. SWP Facilities Net Revenue, No Action Alternative 011221, Annual Revenue (1000)

Statistic	Revenue (1000)
Probability of Exceedance	
10%	-91,263
20%	-127,824
30%	-143,670
40%	-156,036
50%	-165,268
60%	-174,742
70%	-186,351
80%	-199,667
90%	-219,751
Long Term	
Full Simulation Period[a]	-161,625
Water Year Types[b,c]	
Wet (32%)	-175,144
Above Normal (15%)	-176,396
Below Normal (17%)	-197,589
Dry (22%)	-141,506
Critical (15%)	-105,783

Table 25-1b. SWP Facilities Net Revenue, Alternative 1A 011221, Annual Revenue (1000)

Statistic	Revenue (1000)
Probability of Exceedance	
10%	-111,374
20%	-147,211
30%	-159,946
40%	-167,249
50%	-175,658
60%	-183,738
70%	-192,433
80%	-205,328
90%	-224,943
Long Term	
Full Simulation Period[a]	-174,573
Water Year Types[b,c]	
Wet (32%)	-177,247
Above Normal (15%)	-183,724
Below Normal (17%)	-205,382
Dry (22%)	-168,875
Critical (15%)	-132,232

Table 25-1c. SWP Facilities Net Revenue, Alternative 1A 011221 minus No Action Alternative 011221, Annual Revenue (1000)

Statistic	Revenue (1000)
Probability of Exceedance	
10%	-20,111
20%	-19,387
30%	-16,276
40%	-11,214
50%	-10,390
60%	-8,996
70%	-6,083
80%	-5,661
90%	-5,192
Long Term	
Full Simulation Period[a]	-12,948
Water Year Types[b,c]	
Wet (32%)	-2,103
Above Normal (15%)	-7,329
Below Normal (17%)	-7,793
Dry (22%)	-27,369
Critical (15%)	-26,449

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with Oct-Sep water year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 25-2a. SWP Facilities Net Revenue, No Action Alternative 011221, Annual Revenue (1000)

Statistic	Revenue (1000)
Probability of Exceedance	
10%	-91,263
20%	-127,824
30%	-143,670
40%	-156,036
50%	-165,268
60%	-174,742
70%	-186,351
80%	-199,667
90%	-219,751
Long Term	
Full Simulation Period[a]	-161,625
Water Year Types[b,c]	
Wet (32%)	-175,144
Above Normal (15%)	-176,396
Below Normal (17%)	-197,589
Dry (22%)	-141,506
Critical (15%)	-105,783

Table 25-2b. SWP Facilities Net Revenue, Alternative 1B 011221, Annual Revenue (1000)

Statistic	Revenue (1000)
Probability of Exceedance	
10%	-111,629
20%	-144,457
30%	-159,923
40%	-166,324
50%	-174,321
60%	-183,763
70%	-190,734
80%	-205,334
90%	-225,355
Long Term	
Full Simulation Period[a]	-173,432
Water Year Types[b,c]	
Wet (32%)	-175,328
Above Normal (15%)	-182,043
Below Normal (17%)	-204,326
Dry (22%)	-167,286
Critical (15%)	-133,888

Table 25-2c. SWP Facilities Net Revenue, Alternative 1B 011221 minus No Action Alternative 011221, Annual Revenue (1000)

Statistic	Revenue (1000)
Probability of Exceedance	
10%	-20,366
20%	-16,633
30%	-16,253
40%	-10,288
50%	-9,053
60%	-9,021
70%	-4,383
80%	-5,667
90%	-5,604
Long Term	
Full Simulation Period[a]	-11,807
Water Year Types[b,c]	
Wet (32%)	-184
Above Normal (15%)	-5,648
Below Normal (17%)	-6,737
Dry (22%)	-25,780
Critical (15%)	-28,105

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with Oct-Sep water year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 25-3a. SWP Facilities Net Revenue, No Action Alternative 011221, Annual Revenue (1000)

Statistic	Revenue (1000)
Probability of Exceedance	
10%	-91,263
20%	-127,824
30%	-143,670
40%	-156,036
50%	-165,268
60%	-174,742
70%	-186,351
80%	-199,667
90%	-219,751
Long Term	
Full Simulation Period[a]	-161,625
Water Year Types[b,c]	
Wet (32%)	-175,144
Above Normal (15%)	-176,396
Below Normal (17%)	-197,589
Dry (22%)	-141,506
Critical (15%)	-105,783

Table 25-3b. SWP Facilities Net Revenue, Alternative 2 011221, Annual Revenue (1000)

Statistic	Revenue (1000)
Probability of Exceedance	
10%	-111,048
20%	-142,892
30%	-158,289
40%	-166,814
50%	-173,609
60%	-183,454
70%	-192,192
80%	-204,859
90%	-224,942
Long Term	
Full Simulation Period[a]	-173,232
Water Year Types[b,c]	
Wet (32%)	-176,835
Above Normal (15%)	-181,350
Below Normal (17%)	-202,913
Dry (22%)	-167,838
Critical (15%)	-130,769

Table 25-3c. SWP Facilities Net Revenue, Alternative 2 011221 minus No Action Alternative 011221, Annual Revenue (1000)

Statistic	Revenue (1000)
Probability of Exceedance	
10%	-19,785
20%	-15,069
30%	-14,619
40%	-10,778
50%	-8,341
60%	-8,712
70%	-5,842
80%	-5,192
90%	-5,192
Long Term	
Full Simulation Period[a]	-11,607
Water Year Types[b,c]	
Wet (32%)	-1,691
Above Normal (15%)	-4,954
Below Normal (17%)	-5,324
Dry (22%)	-26,333
Critical (15%)	-24,987

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with Oct-Sep water year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 25-4a. SWP Facilities Net Revenue, No Action Alternative 011221, Annual Revenue (1000)

Statistic	Revenue (1000)
Probability of Exceedance	
10%	-91,263
20%	-127,824
30%	-143,670
40%	-156,036
50%	-165,268
60%	-174,742
70%	-186,351
80%	-199,667
90%	-219,751
Long Term	
Full Simulation Period[a]	-161,625
Water Year Types[b,c]	
Wet (32%)	-175,144
Above Normal (15%)	-176,396
Below Normal (17%)	-197,589
Dry (22%)	-141,506
Critical (15%)	-105,783

Table 25-4b. SWP Facilities Net Revenue, Alternative 3 020121, Annual Revenue (1000)

Statistic	Revenue (1000)
Probability of Exceedance	
10%	-104,184
20%	-142,913
30%	-156,784
40%	-165,680
50%	-172,899
60%	-181,178
70%	-188,909
80%	-208,464
90%	-224,317
Long Term	
Full Simulation Period[a]	-171,317
Water Year Types[b,c]	
Wet (32%)	-175,960
Above Normal (15%)	-180,945
Below Normal (17%)	-202,066
Dry (22%)	-163,545
Critical (15%)	-127,410

Table 25-4c. SWP Facilities Net Revenue, Alternative 3 020121 minus No Action Alternative 011221, Annual Revenue (1000)

Statistic	Revenue (1000)
Probability of Exceedance	
10%	-12,921
20%	-15,090
30%	-13,114
40%	-9,644
50%	-7,631
60%	-6,436
70%	-2,558
80%	-8,797
90%	-4,567
Long Term	
Full Simulation Period[a]	-9,692
Water Year Types[b,c]	
Wet (32%)	-816
Above Normal (15%)	-4,549
Below Normal (17%)	-4,477
Dry (22%)	-22,040
Critical (15%)	-21,628

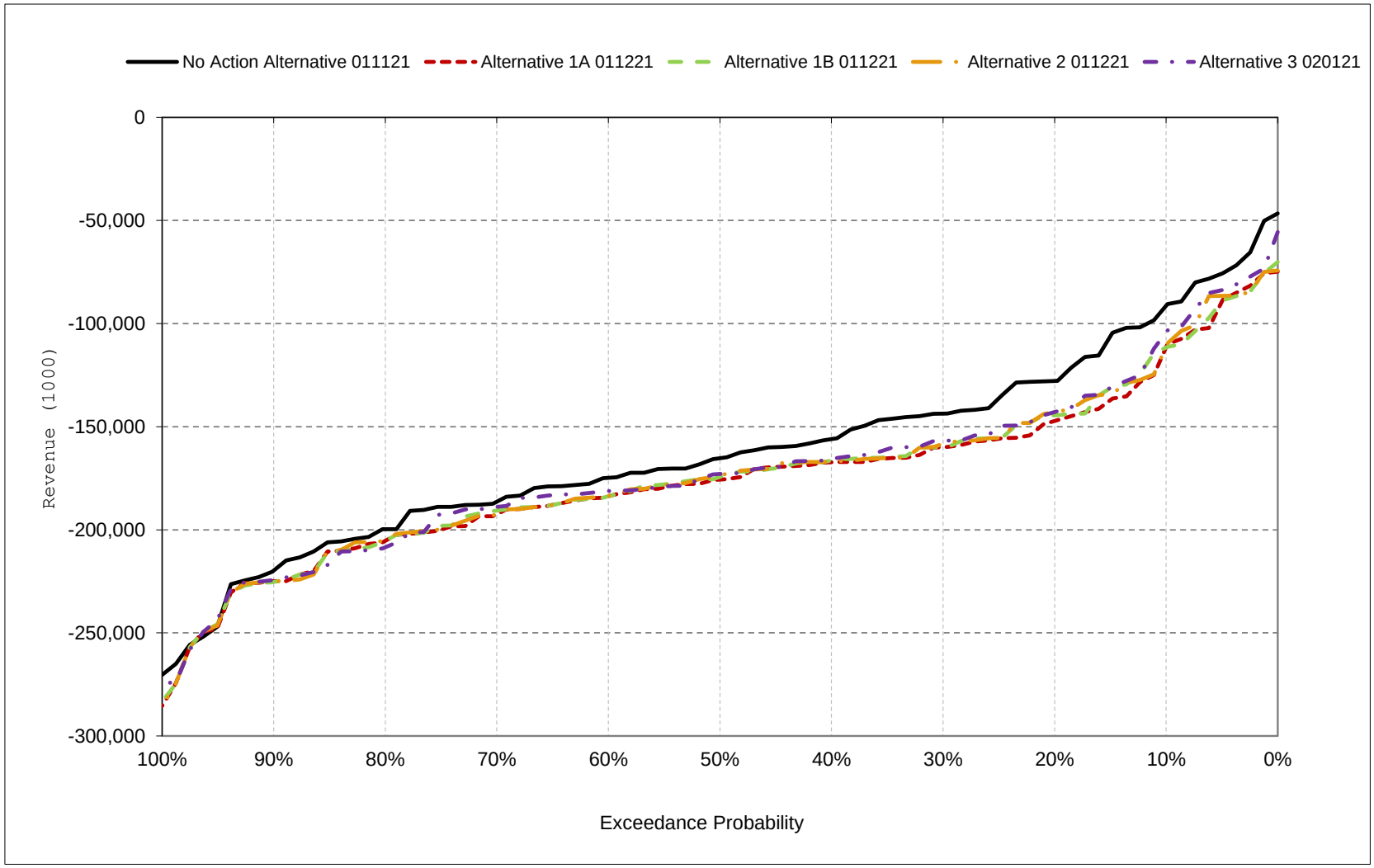
a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with Oct-Sep water year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 25-1. October-September SWP Facilities Net Revenue



*All scenarios are simulated at current climate and 0 cm sea level rise.

Table 26-1a. Sites Project Facilities Total Generation, No Action Alternative 011221, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	0
20%	0
30%	0
40%	0
50%	0
60%	0
70%	0
80%	0
90%	0
Long Term	
Full Simulation Period[a]	0
Water Year Types[b,c]	
Wet (32%)	0
Above Normal (15%)	0
Below Normal (17%)	0
Dry (22%)	0
Critical (15%)	0

Table 26-1b. Sites Project Facilities Total Generation, Alternative 1A 011221, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	116
20%	73
30%	45
40%	34
50%	24
60%	22
70%	17
80%	14
90%	9
Long Term	
Full Simulation Period[a]	43
Water Year Types[b,c]	
Wet (32%)	21
Above Normal (15%)	22
Below Normal (17%)	35
Dry (22%)	87
Critical (15%)	56

Table 26-1c. Sites Project Facilities Total Generation, Alternative 1A 011221 minus No Action Alternative 011221, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	116
20%	73
30%	45
40%	34
50%	24
60%	22
70%	17
80%	14
90%	9
Long Term	
Full Simulation Period[a]	43
Water Year Types[b,c]	
Wet (32%)	21
Above Normal (15%)	22
Below Normal (17%)	35
Dry (22%)	87
Critical (15%)	56

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with Oct-Sep water year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 26-2a. Sites Project Facilities Total Generation, No Action Alternative 011221, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	0
20%	0
30%	0
40%	0
50%	0
60%	0
70%	0
80%	0
90%	0
Long Term	
Full Simulation Period[a]	0
Water Year Types[b,c]	
Wet (32%)	0
Above Normal (15%)	0
Below Normal (17%)	0
Dry (22%)	0
Critical (15%)	0

Table 26-2b. Sites Project Facilities Total Generation, Alternative 1B 011221, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	118
20%	80
30%	48
40%	37
50%	26
60%	22
70%	20
80%	16
90%	8
Long Term	
Full Simulation Period[a]	46
Water Year Types[b,c]	
Wet (32%)	21
Above Normal (15%)	35
Below Normal (17%)	39
Dry (22%)	87
Critical (15%)	56

Table 26-2c. Sites Project Facilities Total Generation, Alternative 1B 011221 minus No Action Alternative 011221, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	118
20%	80
30%	48
40%	37
50%	26
60%	22
70%	20
80%	16
90%	8
Long Term	
Full Simulation Period[a]	46
Water Year Types[b,c]	
Wet (32%)	21
Above Normal (15%)	35
Below Normal (17%)	39
Dry (22%)	87
Critical (15%)	56

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with Oct-Sep water year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 26-3a. Sites Project Facilities Total Generation, No Action Alternative 011221, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	0
20%	0
30%	0
40%	0
50%	0
60%	0
70%	0
80%	0
90%	0
Long Term	
Full Simulation Period[a]	0
Water Year Types[b,c]	
Wet (32%)	0
Above Normal (15%)	0
Below Normal (17%)	0
Dry (22%)	0
Critical (15%)	0

Table 26-3b. Sites Project Facilities Total Generation, Alternative 2 011221, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	100
20%	63
30%	40
40%	28
50%	23
60%	21
70%	16
80%	13
90%	8
Long Term	
Full Simulation Period[a]	39
Water Year Types[b,c]	
Wet (32%)	20
Above Normal (15%)	20
Below Normal (17%)	32
Dry (22%)	76
Critical (15%)	48

Table 26-3c. Sites Project Facilities Total Generation, Alternative 2 011221 minus No Action Alternative 011221, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	100
20%	63
30%	40
40%	28
50%	23
60%	21
70%	16
80%	13
90%	8
Long Term	
Full Simulation Period[a]	39
Water Year Types[b,c]	
Wet (32%)	20
Above Normal (15%)	20
Below Normal (17%)	32
Dry (22%)	76
Critical (15%)	48

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with Oct-Sep water year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 26-4a. Sites Project Facilities Total Generation, No Action Alternative 011221, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	0
20%	0
30%	0
40%	0
50%	0
60%	0
70%	0
80%	0
90%	0
Long Term	
Full Simulation Period[a]	0
Water Year Types[b,c]	
Wet (32%)	0
Above Normal (15%)	0
Below Normal (17%)	0
Dry (22%)	0
Critical (15%)	0

Table 26-4b. Sites Project Facilities Total Generation, Alternative 3 020121, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	123
20%	89
30%	67
40%	43
50%	35
60%	22
70%	18
80%	13
90%	7
Long Term	
Full Simulation Period[a]	50
Water Year Types[b,c]	
Wet (32%)	21
Above Normal (15%)	69
Below Normal (17%)	57
Dry (22%)	80
Critical (15%)	44

Table 26-4c. Sites Project Facilities Total Generation, Alternative 3 020121 minus No Action Alternative 011221, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	123
20%	89
30%	67
40%	43
50%	35
60%	22
70%	18
80%	13
90%	7
Long Term	
Full Simulation Period[a]	50
Water Year Types[b,c]	
Wet (32%)	21
Above Normal (15%)	69
Below Normal (17%)	57
Dry (22%)	80
Critical (15%)	44

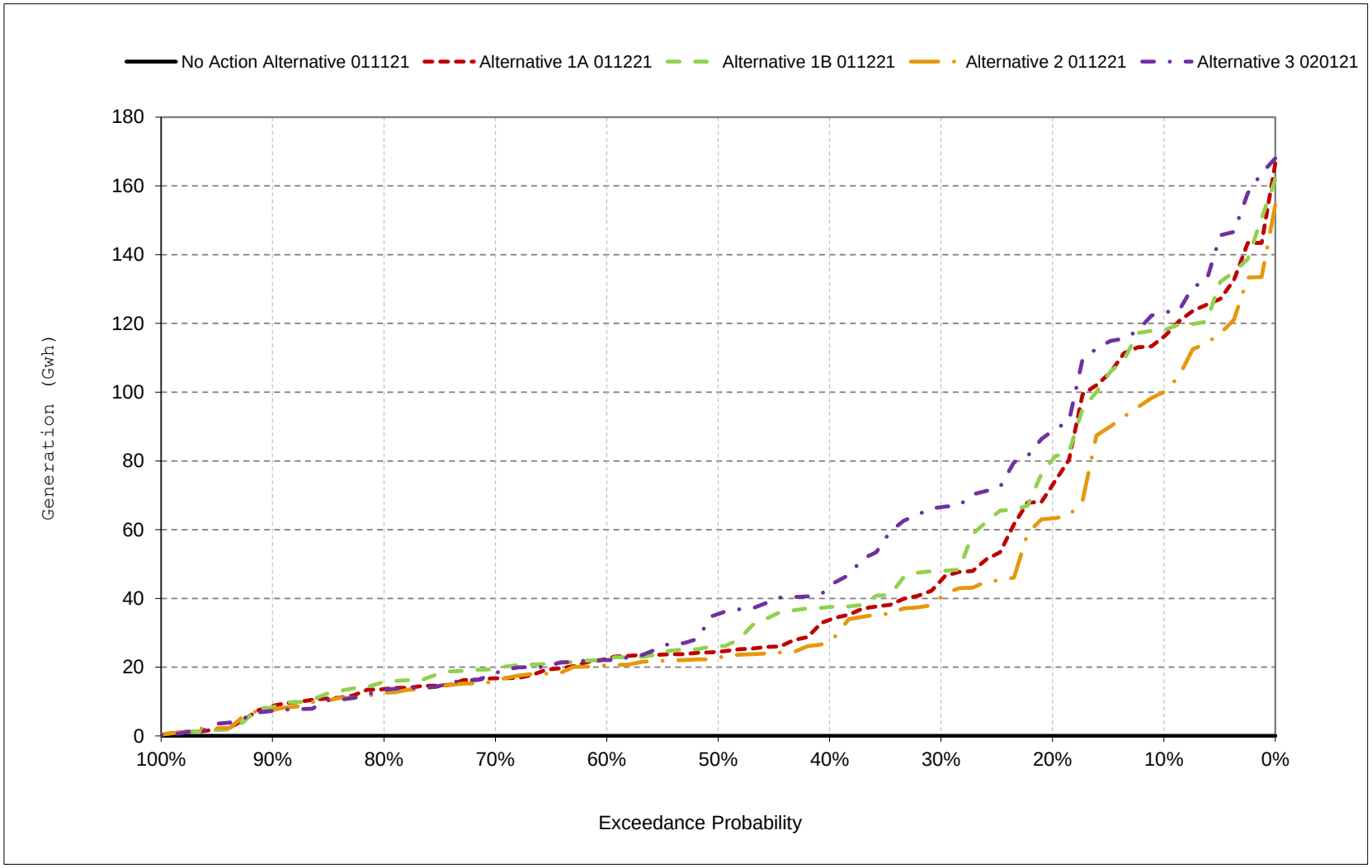
a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with Oct-Sep water year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 26-1. October-September Sites Project Facilities Total Generation



*All scenarios are simulated at current climate and 0 cm sea level rise.

Table 27-1a. Sites Project Facilities Total Energy Use, No Action Alternative 011221, Annual Energy Use (GWh)

Statistic	Energy Use (Gwh)
Probability of Exceedance	
10%	14
20%	13
30%	13
40%	13
50%	13
60%	13
70%	12
80%	11
90%	10
Long Term	
Full Simulation Period[a]	12
Water Year Types[b,c]	
Wet (32%)	13
Above Normal (15%)	13
Below Normal (17%)	13
Dry (22%)	12
Critical (15%)	9

Table 27-1b. Sites Project Facilities Total Energy Use, Alternative 1A 011221, Annual Energy Use (GWh)

Statistic	Energy Use (Gwh)
Probability of Exceedance	
10%	202
20%	149
30%	102
40%	71
50%	60
60%	56
70%	48
80%	33
90%	23
Long Term	
Full Simulation Period[a]	92
Water Year Types[b,c]	
Wet (32%)	139
Above Normal (15%)	142
Below Normal (17%)	75
Dry (22%)	50
Critical (15%)	24

Table 27-1c. Sites Project Facilities Total Energy Use, Alternative 1A 011221 minus No Action Alternative 011221, Annual Energy Use (GWh)

Statistic	Energy Use (Gwh)
Probability of Exceedance	
10%	188
20%	136
30%	89
40%	57
50%	47
60%	43
70%	37
80%	22
90%	13
Long Term	
Full Simulation Period[a]	80
Water Year Types[b,c]	
Wet (32%)	126
Above Normal (15%)	129
Below Normal (17%)	63
Dry (22%)	39
Critical (15%)	14

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with Oct-Sep water year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 27-2a. Sites Project Facilities Total Energy Use, No Action Alternative 011221, Annual Energy Use (GWh)

Statistic	Energy Use (Gwh)
Probability of Exceedance	
10%	14
20%	13
30%	13
40%	13
50%	13
60%	13
70%	12
80%	11
90%	10
Long Term	
Full Simulation Period[a]	12
Water Year Types[b,c]	
Wet (32%)	13
Above Normal (15%)	13
Below Normal (17%)	13
Dry (22%)	12
Critical (15%)	9

Table 27-2b. Sites Project Facilities Total Energy Use, Alternative 1B 011221, Annual Energy Use (GWh)

Statistic	Energy Use (Gwh)
Probability of Exceedance	
10%	202
20%	149
30%	100
40%	80
50%	63
60%	57
70%	49
80%	38
90%	23
Long Term	
Full Simulation Period[a]	96
Water Year Types[b,c]	
Wet (32%)	153
Above Normal (15%)	142
Below Normal (17%)	73
Dry (22%)	51
Critical (15%)	24

Table 27-2c. Sites Project Facilities Total Energy Use, Alternative 1B 011221 minus No Action Alternative 011221, Annual Energy Use (GWh)

Statistic	Energy Use (Gwh)
Probability of Exceedance	
10%	188
20%	135
30%	87
40%	66
50%	50
60%	44
70%	37
80%	27
90%	14
Long Term	
Full Simulation Period[a]	84
Water Year Types[b,c]	
Wet (32%)	140
Above Normal (15%)	129
Below Normal (17%)	60
Dry (22%)	39
Critical (15%)	14

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with Oct-Sep water year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 27-3a. Sites Project Facilities Total Energy Use, No Action Alternative 011221, Annual Energy Use (GWh)

Statistic	Energy Use (Gwh)
Probability of Exceedance	
10%	14
20%	13
30%	13
40%	13
50%	13
60%	13
70%	12
80%	11
90%	10
Long Term	
Full Simulation Period[a]	12
Water Year Types[b,c]	
Wet (32%)	13
Above Normal (15%)	13
Below Normal (17%)	13
Dry (22%)	12
Critical (15%)	9

Table 27-3b. Sites Project Facilities Total Energy Use, Alternative 2 011221, Annual Energy Use (GWh)

Statistic	Energy Use (Gwh)
Probability of Exceedance	
10%	190
20%	140
30%	99
40%	66
50%	57
60%	52
70%	46
80%	32
90%	23
Long Term	
Full Simulation Period[a]	85
Water Year Types[b,c]	
Wet (32%)	122
Above Normal (15%)	139
Below Normal (17%)	73
Dry (22%)	47
Critical (15%)	23

Table 27-3c. Sites Project Facilities Total Energy Use, Alternative 2 011221 minus No Action Alternative 011221, Annual Energy Use (GWh)

Statistic	Energy Use (Gwh)
Probability of Exceedance	
10%	176
20%	127
30%	85
40%	52
50%	45
60%	40
70%	35
80%	21
90%	14
Long Term	
Full Simulation Period[a]	73
Water Year Types[b,c]	
Wet (32%)	109
Above Normal (15%)	126
Below Normal (17%)	60
Dry (22%)	36
Critical (15%)	14

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with Oct-Sep water year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 27-4a. Sites Project Facilities Total Energy Use, No Action Alternative 011221, Annual Energy Use (GWh)

Statistic	Energy Use (Gwh)
Probability of Exceedance	
10%	14
20%	13
30%	13
40%	13
50%	13
60%	13
70%	12
80%	11
90%	10
Long Term	
Full Simulation Period[a]	12
Water Year Types[b,c]	
Wet (32%)	13
Above Normal (15%)	13
Below Normal (17%)	13
Dry (22%)	12
Critical (15%)	9

Table 27-4b. Sites Project Facilities Total Energy Use, Alternative 3 020121, Annual Energy Use (GWh)

Statistic	Energy Use (Gwh)
Probability of Exceedance	
10%	226
20%	179
30%	99
40%	80
50%	60
60%	55
70%	49
80%	37
90%	23
Long Term	
Full Simulation Period[a]	103
Water Year Types[b,c]	
Wet (32%)	172
Above Normal (15%)	146
Below Normal (17%)	75
Dry (22%)	49
Critical (15%)	23

Table 27-4c. Sites Project Facilities Total Energy Use, Alternative 3 020121 minus No Action Alternative 011221, Annual Energy Use (GWh)

Statistic	Energy Use (Gwh)
Probability of Exceedance	
10%	212
20%	166
30%	86
40%	67
50%	47
60%	43
70%	37
80%	26
90%	13
Long Term	
Full Simulation Period[a]	91
Water Year Types[b,c]	
Wet (32%)	159
Above Normal (15%)	133
Below Normal (17%)	62
Dry (22%)	37
Critical (15%)	14

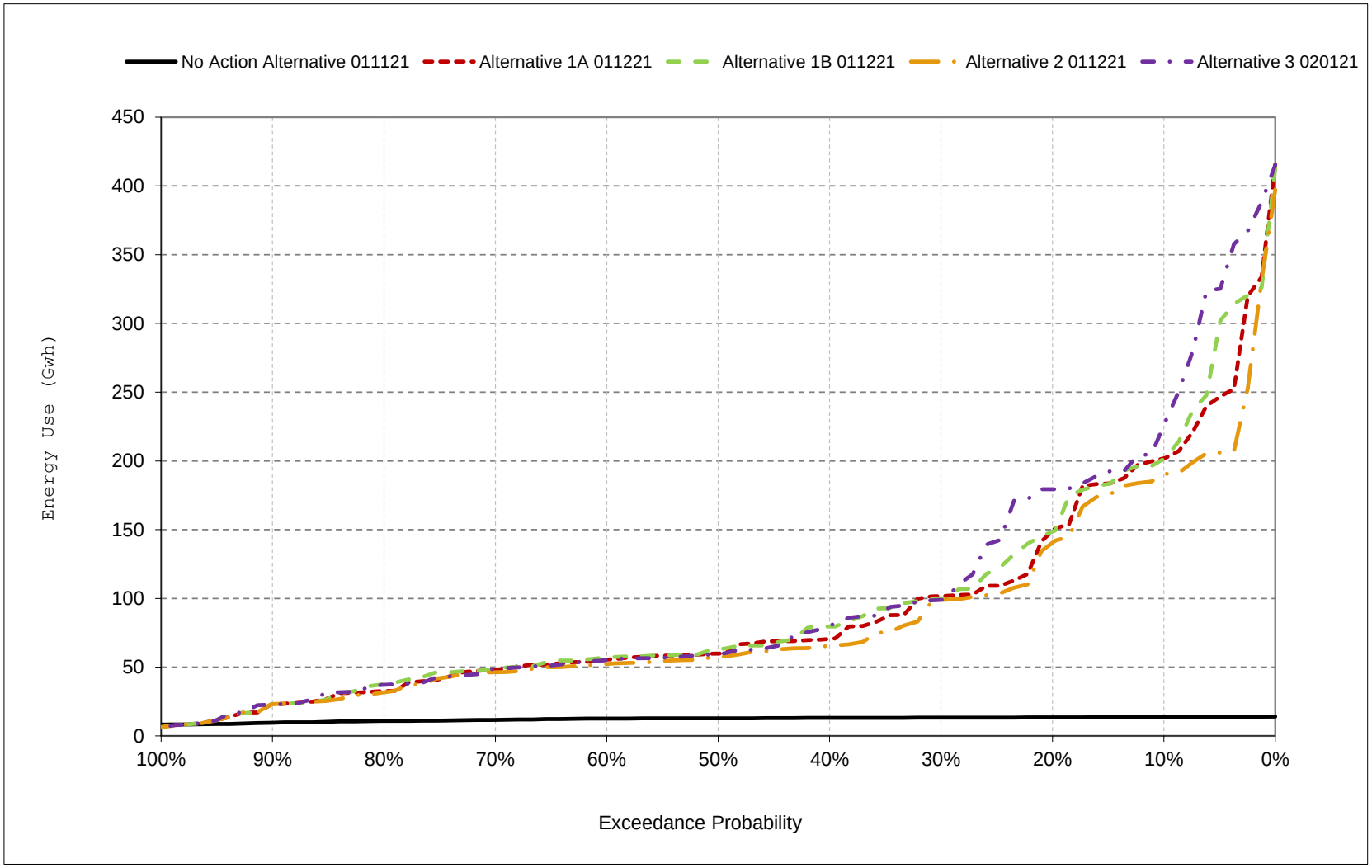
a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with Oct-Sep water year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 27-1. October-September Sites Project Facilities Total Energy Use



*All scenarios are simulated at current climate and 0 cm sea level rise.

Table 28-1a. Sites Project Facilities Net Generation, No Action Alternative 011221, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	-10
20%	-11
30%	-12
40%	-13
50%	-13
60%	-13
70%	-13
80%	-13
90%	-14
Long Term	
Full Simulation Period[a]	-12
Water Year Types[b,c]	
Wet (32%)	-13
Above Normal (15%)	-13
Below Normal (17%)	-13
Dry (22%)	-12
Critical (15%)	-9

Table 28-1b. Sites Project Facilities Net Generation, Alternative 1A 011221, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	84
20%	26
30%	-16
40%	-27
50%	-34
60%	-45
70%	-65
80%	-108
90%	-185
Long Term	
Full Simulation Period[a]	-49
Water Year Types[b,c]	
Wet (32%)	-118
Above Normal (15%)	-120
Below Normal (17%)	-41
Dry (22%)	37
Critical (15%)	33

Table 28-1c. Sites Project Facilities Net Generation, Alternative 1A 011221 minus No Action Alternative 011221, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	94
20%	37
30%	-5
40%	-14
50%	-21
60%	-32
70%	-51
80%	-94
90%	-171
Long Term	
Full Simulation Period[a]	-37
Water Year Types[b,c]	
Wet (32%)	-105
Above Normal (15%)	-107
Below Normal (17%)	-28
Dry (22%)	49
Critical (15%)	42

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with Oct-Sep water year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 28-2a. Sites Project Facilities Net Generation, No Action Alternative 011221, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	-10
20%	-11
30%	-12
40%	-13
50%	-13
60%	-13
70%	-13
80%	-13
90%	-14
Long Term	
Full Simulation Period[a]	-12
Water Year Types[b,c]	
Wet (32%)	-13
Above Normal (15%)	-13
Below Normal (17%)	-13
Dry (22%)	-12
Critical (15%)	-9

Table 28-2b. Sites Project Facilities Net Generation, Alternative 1B 011221, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	80
20%	37
30%	-7
40%	-28
50%	-36
60%	-46
70%	-70
80%	-131
90%	-171
Long Term	
Full Simulation Period[a]	-51
Water Year Types[b,c]	
Wet (32%)	-132
Above Normal (15%)	-107
Below Normal (17%)	-34
Dry (22%)	36
Critical (15%)	32

Table 28-2c. Sites Project Facilities Net Generation, Alternative 1B 011221 minus No Action Alternative 011221, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	90
20%	48
30%	5
40%	-16
50%	-23
60%	-33
70%	-56
80%	-118
90%	-158
Long Term	
Full Simulation Period[a]	-39
Water Year Types[b,c]	
Wet (32%)	-119
Above Normal (15%)	-94
Below Normal (17%)	-21
Dry (22%)	47
Critical (15%)	41

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with Oct-Sep water year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 28-3a. Sites Project Facilities Net Generation, No Action Alternative 011221, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	-10
20%	-11
30%	-12
40%	-13
50%	-13
60%	-13
70%	-13
80%	-13
90%	-14
Long Term	
Full Simulation Period[a]	-12
Water Year Types[b,c]	
Wet (32%)	-13
Above Normal (15%)	-13
Below Normal (17%)	-13
Dry (22%)	-12
Critical (15%)	-9

Table 28-3b. Sites Project Facilities Net Generation, Alternative 2 011221, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	58
20%	24
30%	-16
40%	-27
50%	-33
60%	-43
70%	-63
80%	-107
90%	-171
Long Term	
Full Simulation Period[a]	-47
Water Year Types[b,c]	
Wet (32%)	-102
Above Normal (15%)	-119
Below Normal (17%)	-40
Dry (22%)	29
Critical (15%)	24

Table 28-3c. Sites Project Facilities Net Generation, Alternative 2 011221 minus No Action Alternative 011221, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	67
20%	35
30%	-4
40%	-15
50%	-20
60%	-30
70%	-49
80%	-94
90%	-157
Long Term	
Full Simulation Period[a]	-35
Water Year Types[b,c]	
Wet (32%)	-89
Above Normal (15%)	-106
Below Normal (17%)	-27
Dry (22%)	41
Critical (15%)	34

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with Oct-Sep water year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 28-4a. Sites Project Facilities Net Generation, No Action Alternative 011221, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	-10
20%	-11
30%	-12
40%	-13
50%	-13
60%	-13
70%	-13
80%	-13
90%	-14
Long Term	
Full Simulation Period[a]	-12
Water Year Types[b,c]	
Wet (32%)	-13
Above Normal (15%)	-13
Below Normal (17%)	-13
Dry (22%)	-12
Critical (15%)	-9

Table 28-4b. Sites Project Facilities Net Generation, Alternative 3 020121, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	77
20%	35
30%	0
40%	-27
50%	-33
60%	-43
70%	-71
80%	-137
90%	-190
Long Term	
Full Simulation Period[a]	-53
Water Year Types[b,c]	
Wet (32%)	-152
Above Normal (15%)	-78
Below Normal (17%)	-18
Dry (22%)	32
Critical (15%)	21

Table 28-4c. Sites Project Facilities Net Generation, Alternative 3 020121 minus No Action Alternative 011221, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	87
20%	45
30%	11
40%	-14
50%	-20
60%	-30
70%	-58
80%	-124
90%	-176
Long Term	
Full Simulation Period[a]	-40
Water Year Types[b,c]	
Wet (32%)	-139
Above Normal (15%)	-64
Below Normal (17%)	-5
Dry (22%)	43
Critical (15%)	31

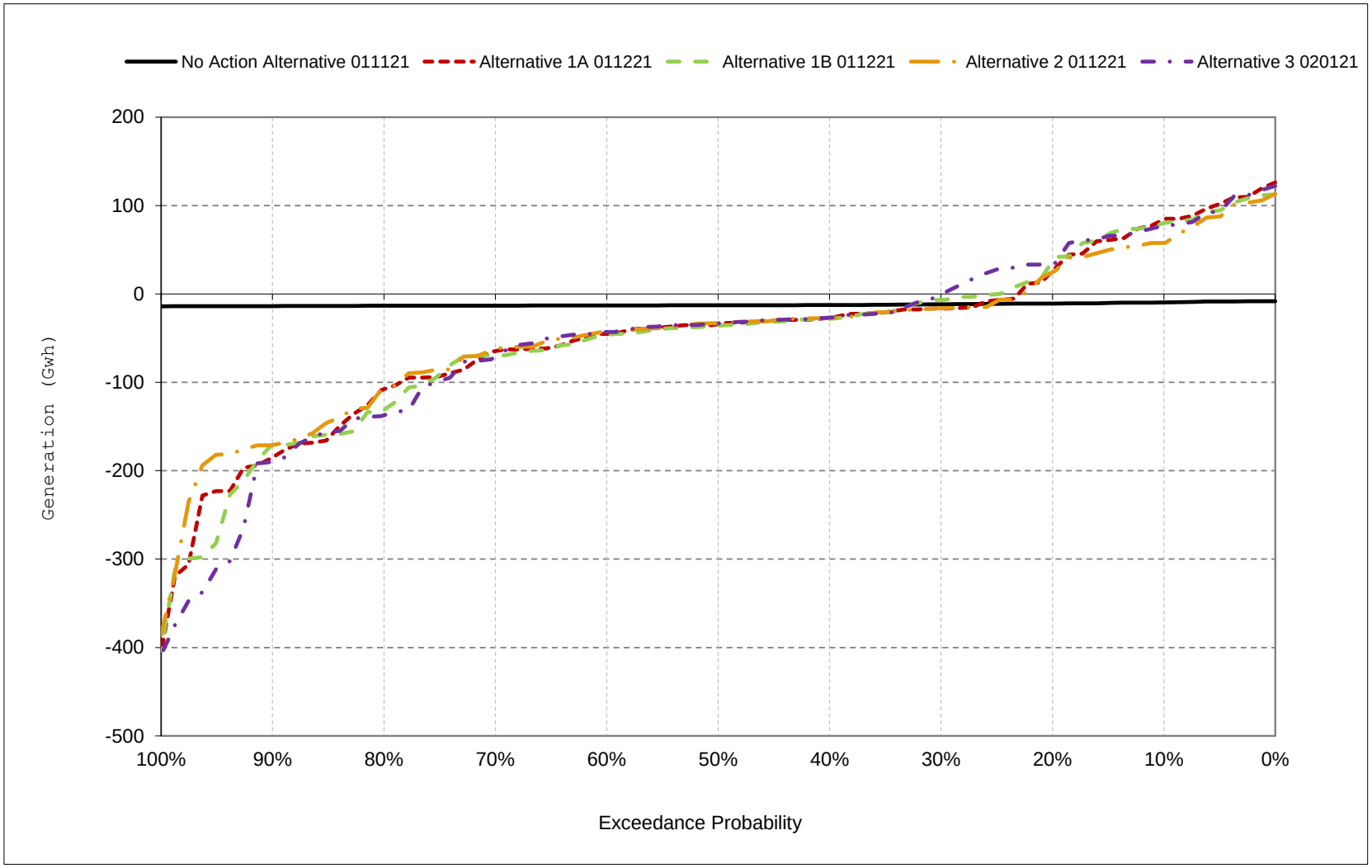
a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with Oct-Sep water year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 28-1. October-September Sites Project Facilities Net Generation



*All scenarios are simulated at current climate and 0 cm sea level rise.

Table 29-1a. Sites Project Facilities Net Revenue, No Action Alternative 011221, Annual Revenue (1000)

Statistic	Revenue (1000)
Probability of Exceedance	
10%	-504
20%	-571
30%	-613
40%	-665
50%	-679
60%	-691
70%	-700
80%	-706
90%	-721
Long Term	
Full Simulation Period[a]	-642
Water Year Types[b,c]	
Wet (32%)	-692
Above Normal (15%)	-697
Below Normal (17%)	-682
Dry (22%)	-605
Critical (15%)	-486

Table 29-1b. Sites Project Facilities Net Revenue, Alternative 1A 011221, Annual Revenue (1000)

Statistic	Revenue (1000)
Probability of Exceedance	
10%	4,402
20%	1,606
30%	-800
40%	-1,414
50%	-1,834
60%	-2,531
70%	-3,657
80%	-5,922
90%	-9,826
Long Term	
Full Simulation Period[a]	-2,546
Water Year Types[b,c]	
Wet (32%)	-6,244
Above Normal (15%)	-6,422
Below Normal (17%)	-2,086
Dry (22%)	2,132
Critical (15%)	1,792

Table 29-1c. Sites Project Facilities Net Revenue, Alternative 1A 011221 minus No Action Alternative 011221, Annual Revenue (1000)

Statistic	Revenue (1000)
Probability of Exceedance	
10%	4,905
20%	2,177
30%	-187
40%	-749
50%	-1,155
60%	-1,840
70%	-2,957
80%	-5,216
90%	-9,105
Long Term	
Full Simulation Period[a]	-1,904
Water Year Types[b,c]	
Wet (32%)	-5,551
Above Normal (15%)	-5,724
Below Normal (17%)	-1,404
Dry (22%)	2,737
Critical (15%)	2,278

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with Oct-Sep water year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 29-2a. Sites Project Facilities Net Revenue, No Action Alternative 011221, Annual Revenue (1000)

Statistic	Revenue (1000)
Probability of Exceedance	
10%	-504
20%	-571
30%	-613
40%	-665
50%	-679
60%	-691
70%	-700
80%	-706
90%	-721
Long Term	
Full Simulation Period[a]	-642
Water Year Types[b,c]	
Wet (32%)	-692
Above Normal (15%)	-697
Below Normal (17%)	-682
Dry (22%)	-605
Critical (15%)	-486

Table 29-2b. Sites Project Facilities Net Revenue, Alternative 1B 011221, Annual Revenue (1000)

Statistic	Revenue (1000)
Probability of Exceedance	
10%	4,494
20%	2,037
30%	-365
40%	-1,430
50%	-1,984
60%	-2,606
70%	-3,609
80%	-6,963
90%	-9,078
Long Term	
Full Simulation Period[a]	-2,657
Water Year Types[b,c]	
Wet (32%)	-6,973
Above Normal (15%)	-5,747
Below Normal (17%)	-1,787
Dry (22%)	2,029
Critical (15%)	1,740

Table 29-2c. Sites Project Facilities Net Revenue, Alternative 1B 011221 minus No Action Alternative 011221, Annual Revenue (1000)

Statistic	Revenue (1000)
Probability of Exceedance	
10%	4,997
20%	2,607
30%	247
40%	-765
50%	-1,305
60%	-1,914
70%	-2,909
80%	-6,257
90%	-8,357
Long Term	
Full Simulation Period[a]	-2,015
Water Year Types[b,c]	
Wet (32%)	-6,280
Above Normal (15%)	-5,050
Below Normal (17%)	-1,105
Dry (22%)	2,634
Critical (15%)	2,226

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with Oct-Sep water year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 29-3a. Sites Project Facilities Net Revenue, No Action Alternative 011221, Annual Revenue (1000)

Statistic	Revenue (1000)
Probability of Exceedance	
10%	-504
20%	-571
30%	-613
40%	-665
50%	-679
60%	-691
70%	-700
80%	-706
90%	-721
Long Term	
Full Simulation Period[a]	-642
Water Year Types[b,c]	
Wet (32%)	-692
Above Normal (15%)	-697
Below Normal (17%)	-682
Dry (22%)	-605
Critical (15%)	-486

Table 29-3b. Sites Project Facilities Net Revenue, Alternative 2 011221, Annual Revenue (1000)

Statistic	Revenue (1000)
Probability of Exceedance	
10%	3,328
20%	1,484
30%	-732
40%	-1,393
50%	-1,751
60%	-2,450
70%	-3,496
80%	-5,858
90%	-8,928
Long Term	
Full Simulation Period[a]	-2,433
Water Year Types[b,c]	
Wet (32%)	-5,408
Above Normal (15%)	-6,359
Below Normal (17%)	-2,062
Dry (22%)	1,685
Critical (15%)	1,329

Table 29-3c. Sites Project Facilities Net Revenue, Alternative 2 011221 minus No Action Alternative 011221, Annual Revenue (1000)

Statistic	Revenue (1000)
Probability of Exceedance	
10%	3,831
20%	2,055
30%	-120
40%	-729
50%	-1,072
60%	-1,759
70%	-2,796
80%	-5,152
90%	-8,208
Long Term	
Full Simulation Period[a]	-1,791
Water Year Types[b,c]	
Wet (32%)	-4,716
Above Normal (15%)	-5,662
Below Normal (17%)	-1,380
Dry (22%)	2,290
Critical (15%)	1,815

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with Oct-Sep water year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 29-4a. Sites Project Facilities Net Revenue, No Action Alternative 011221, Annual Revenue (1000)

Statistic	Revenue (1000)
Probability of Exceedance	
10%	-504
20%	-571
30%	-613
40%	-665
50%	-679
60%	-691
70%	-700
80%	-706
90%	-721
Long Term	
Full Simulation Period[a]	-642
Water Year Types[b,c]	
Wet (32%)	-692
Above Normal (15%)	-697
Below Normal (17%)	-682
Dry (22%)	-605
Critical (15%)	-486

Table 29-4b. Sites Project Facilities Net Revenue, Alternative 3 020121, Annual Revenue (1000)

Statistic	Revenue (1000)
Probability of Exceedance	
10%	4,247
20%	1,897
30%	85
40%	-1,373
50%	-1,695
60%	-2,332
70%	-3,790
80%	-7,124
90%	-10,078
Long Term	
Full Simulation Period[a]	-2,734
Water Year Types[b,c]	
Wet (32%)	-7,984
Above Normal (15%)	-4,030
Below Normal (17%)	-958
Dry (22%)	1,750
Critical (15%)	1,141

Table 29-4c. Sites Project Facilities Net Revenue, Alternative 3 020121 minus No Action Alternative 011221, Annual Revenue (1000)

Statistic	Revenue (1000)
Probability of Exceedance	
10%	4,751
20%	2,468
30%	697
40%	-708
50%	-1,016
60%	-1,641
70%	-3,090
80%	-6,418
90%	-9,357
Long Term	
Full Simulation Period[a]	-2,092
Water Year Types[b,c]	
Wet (32%)	-7,292
Above Normal (15%)	-3,333
Below Normal (17%)	-276
Dry (22%)	2,355
Critical (15%)	1,627

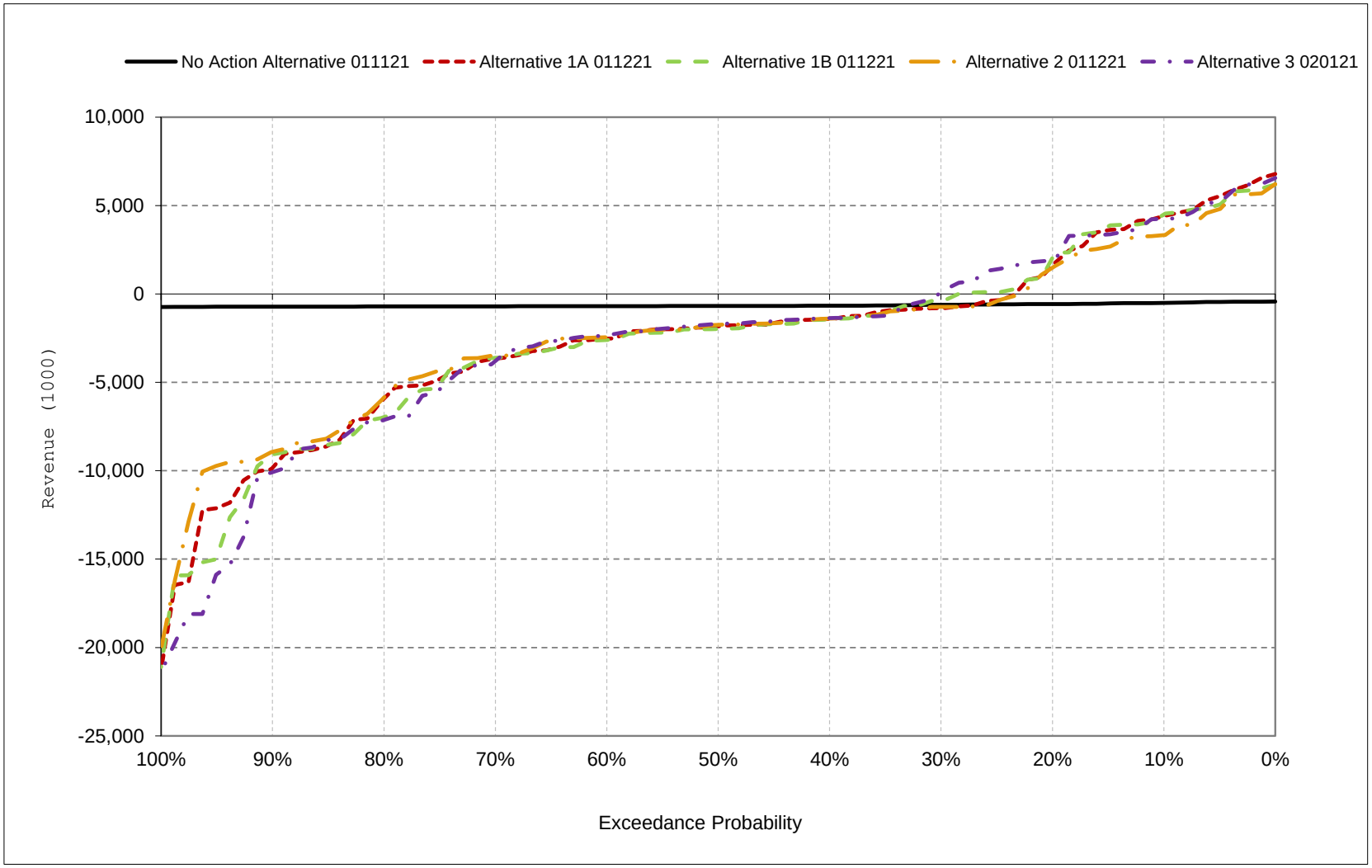
a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with Oct-Sep water year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 29-1. October-September Sites Project Facilities Net Revenue



*All scenarios are simulated at current climate and 0 cm sea level rise.

Table 30-1a. CVP, SWP, and Sites Project Facilities Net Generation, No Action Alternative 011221, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	1,841
20%	1,258
30%	978
40%	699
50%	484
60%	115
70%	-354
80%	-696
90%	-1,158
Long Term	
Full Simulation Period[a]	365
Water Year Types[b,c]	
Wet (32%)	1,467
Above Normal (15%)	472
Below Normal (17%)	-911
Dry (22%)	-149
Critical (15%)	129

Table 30-1b. CVP, SWP, and Sites Project Facilities Net Generation, Alternative 1A 011221, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	1,665
20%	991
30%	764
40%	429
50%	138
60%	-356
70%	-728
80%	-986
90%	-1,314
Long Term	
Full Simulation Period[a]	94
Water Year Types[b,c]	
Wet (32%)	1,323
Above Normal (15%)	230
Below Normal (17%)	-1,089
Dry (22%)	-586
Critical (15%)	-305

Table 30-1c. CVP, SWP, and Sites Project Facilities Net Generation, Alternative 1A 011221 minus No Action Alternative 011221, Annual

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	-176
20%	-267
30%	-214
40%	-269
50%	-346
60%	-472
70%	-373
80%	-290
90%	-156
Long Term	
Full Simulation Period[a]	-271
Water Year Types[b,c]	
Wet (32%)	-144
Above Normal (15%)	-242
Below Normal (17%)	-179
Dry (22%)	-437
Critical (15%)	-434

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with Oct-Sep water year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 30-2a. CVP, SWP, and Sites Project Facilities Net Generation, No Action Alternative 011221, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	1,841
20%	1,258
30%	978
40%	699
50%	484
60%	115
70%	-354
80%	-696
90%	-1,158
Long Term	
Full Simulation Period[a]	365
Water Year Types[b,c]	
Wet (32%)	1,467
Above Normal (15%)	472
Below Normal (17%)	-911
Dry (22%)	-149
Critical (15%)	129

Table 30-2b. CVP, SWP, and Sites Project Facilities Net Generation, Alternative 1B 011221, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	1,676
20%	985
30%	766
40%	445
50%	133
60%	-322
70%	-704
80%	-1,012
90%	-1,324
Long Term	
Full Simulation Period[a]	111
Water Year Types[b,c]	
Wet (32%)	1,349
Above Normal (15%)	261
Below Normal (17%)	-1,070
Dry (22%)	-561
Critical (15%)	-339

Table 30-2c. CVP, SWP, and Sites Project Facilities Net Generation, Alternative 1B 011221 minus No Action Alternative 011221, Annual

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	-165
20%	-273
30%	-212
40%	-253
50%	-351
60%	-438
70%	-350
80%	-316
90%	-167
Long Term	
Full Simulation Period[a]	-254
Water Year Types[b,c]	
Wet (32%)	-118
Above Normal (15%)	-212
Below Normal (17%)	-159
Dry (22%)	-412
Critical (15%)	-468

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with Oct-Sep water year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 30-3a. CVP, SWP, and Sites Project Facilities Net Generation, No Action Alternative 011221, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	1,841
20%	1,258
30%	978
40%	699
50%	484
60%	115
70%	-354
80%	-696
90%	-1,158
Long Term	
Full Simulation Period[a]	365
Water Year Types[b,c]	
Wet (32%)	1,467
Above Normal (15%)	472
Below Normal (17%)	-911
Dry (22%)	-149
Critical (15%)	129

Table 30-3b. CVP, SWP, and Sites Project Facilities Net Generation, Alternative 2 011221, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	1,668
20%	1,102
30%	772
40%	462
50%	115
60%	-182
70%	-674
80%	-992
90%	-1,321
Long Term	
Full Simulation Period[a]	121
Water Year Types[b,c]	
Wet (32%)	1,347
Above Normal (15%)	277
Below Normal (17%)	-1,042
Dry (22%)	-575
Critical (15%)	-287

Table 30-3c. CVP, SWP, and Sites Project Facilities Net Generation, Alternative 2 011221 minus No Action Alternative 011221, Annual

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	-173
20%	-156
30%	-206
40%	-237
50%	-369
60%	-298
70%	-320
80%	-296
90%	-164
Long Term	
Full Simulation Period[a]	-244
Water Year Types[b,c]	
Wet (32%)	-120
Above Normal (15%)	-195
Below Normal (17%)	-131
Dry (22%)	-426
Critical (15%)	-416

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with Oct-Sep water year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 30-4a. CVP, SWP, and Sites Project Facilities Net Generation, No Action Alternative 011221, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	1,841
20%	1,258
30%	978
40%	699
50%	484
60%	115
70%	-354
80%	-696
90%	-1,158
Long Term	
Full Simulation Period[a]	365
Water Year Types[b,c]	
Wet (32%)	1,467
Above Normal (15%)	472
Below Normal (17%)	-911
Dry (22%)	-149
Critical (15%)	129

Table 30-4b. CVP, SWP, and Sites Project Facilities Net Generation, Alternative 3 020121, Annual Generation (GWh)

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	1,587
20%	1,098
30%	838
40%	479
50%	172
60%	-124
70%	-612
80%	-923
90%	-1,344
Long Term	
Full Simulation Period[a]	142
Water Year Types[b,c]	
Wet (32%)	1,333
Above Normal (15%)	279
Below Normal (17%)	-1,031
Dry (22%)	-506
Critical (15%)	-232

Table 30-4c. CVP, SWP, and Sites Project Facilities Net Generation, Alternative 3 020121 minus No Action Alternative 011221, Annual

Statistic	Generation (Gwh)
Probability of Exceedance	
10%	-254
20%	-160
30%	-139
40%	-220
50%	-313
60%	-239
70%	-257
80%	-227
90%	-186
Long Term	
Full Simulation Period[a]	-222
Water Year Types[b,c]	
Wet (32%)	-134
Above Normal (15%)	-193
Below Normal (17%)	-120
Dry (22%)	-357
Critical (15%)	-361

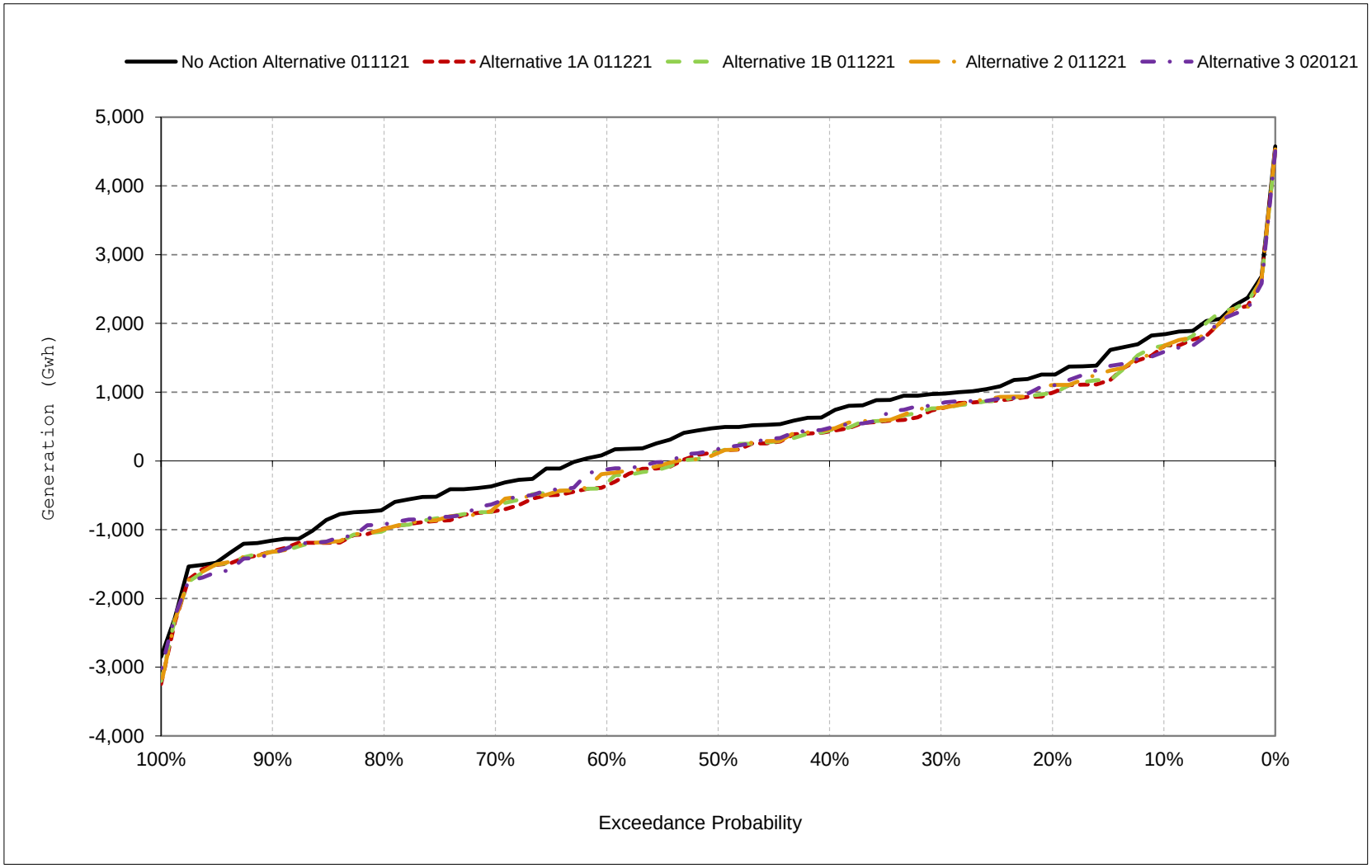
a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with Oct-Sep water year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 30-1. October-September CVP, SWP, and Sites Project Facilities Net Generation



*All scenarios are simulated at current climate and 0 cm sea level rise.

Table 31-1a. CVP, SWP, and Sites Project Facilities Net Revenue, No Action Alternative 011221, Annual Revenue (1000)

Statistic	Revenue (1000)
Probability of Exceedance	
10%	102,913
20%	72,196
30%	53,357
40%	34,574
50%	24,959
60%	3,170
70%	-19,813
80%	-37,834
90%	-62,801
Long Term	
Full Simulation Period[a]	19,803
Water Year Types[b,c]	
Wet (32%)	80,539
Above Normal (15%)	26,414
Below Normal (17%)	-49,369
Dry (22%)	-9,348
Critical (15%)	6,026

Table 31-1b. CVP, SWP, and Sites Project Facilities Net Revenue, Alternative 1A 011221, Annual Revenue (1000)

Statistic	Revenue (1000)
Probability of Exceedance	
10%	91,090
20%	56,003
30%	41,797
40%	22,881
50%	4,637
60%	-21,358
70%	-40,412
80%	-56,346
90%	-71,162
Long Term	
Full Simulation Period[a]	5,001
Water Year Types[b,c]	
Wet (32%)	73,016
Above Normal (15%)	13,728
Below Normal (17%)	-58,696
Dry (22%)	-33,880
Critical (15%)	-18,460

Table 31-1c. CVP, SWP, and Sites Project Facilities Net Revenue, Alternative 1A 011221 minus No Action Alternative 011221, Annual Revenue (1000)

Statistic	Revenue (1000)
Probability of Exceedance	
10%	-11,823
20%	-16,193
30%	-11,560
40%	-11,693
50%	-20,322
60%	-24,528
70%	-20,599
80%	-18,512
90%	-8,361
Long Term	
Full Simulation Period[a]	-14,803
Water Year Types[b,c]	
Wet (32%)	-7,524
Above Normal (15%)	-12,686
Below Normal (17%)	-9,326
Dry (22%)	-24,532
Critical (15%)	-24,486

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with Oct-Sep water year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 31-2a. CVP, SWP, and Sites Project Facilities Net Revenue, No Action Alternative 011221, Annual Revenue (1000)

Statistic	Revenue (1000)
Probability of Exceedance	
10%	102,913
20%	72,196
30%	53,357
40%	34,574
50%	24,959
60%	3,170
70%	-19,813
80%	-37,834
90%	-62,801
Long Term	
Full Simulation Period[a]	19,803
Water Year Types[b,c]	
Wet (32%)	80,539
Above Normal (15%)	26,414
Below Normal (17%)	-49,369
Dry (22%)	-9,348
Critical (15%)	6,026

Table 31-2b. CVP, SWP, and Sites Project Facilities Net Revenue, Alternative 1B 011221, Annual Revenue (1000)

Statistic	Revenue (1000)
Probability of Exceedance	
10%	93,561
20%	56,138
30%	42,001
40%	23,681
50%	6,372
60%	-17,949
70%	-38,355
80%	-55,795
90%	-71,540
Long Term	
Full Simulation Period[a]	5,995
Water Year Types[b,c]	
Wet (32%)	74,530
Above Normal (15%)	15,420
Below Normal (17%)	-57,561
Dry (22%)	-32,364
Critical (15%)	-20,238

Table 31-2c. CVP, SWP, and Sites Project Facilities Net Revenue, Alternative 1B 011221 minus No Action Alternative 011221, Annual Revenue (1000)

Statistic	Revenue (1000)
Probability of Exceedance	
10%	-9,352
20%	-16,058
30%	-11,356
40%	-10,893
50%	-18,587
60%	-21,119
70%	-18,542
80%	-17,961
90%	-8,739
Long Term	
Full Simulation Period[a]	-13,809
Water Year Types[b,c]	
Wet (32%)	-6,009
Above Normal (15%)	-10,994
Below Normal (17%)	-8,191
Dry (22%)	-23,017
Critical (15%)	-26,265

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with Oct-Sep water year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 31-3a. CVP, SWP, and Sites Project Facilities Net Revenue, No Action Alternative 011221, Annual Revenue (1000)

Statistic	Revenue (1000)
Probability of Exceedance	
10%	102,913
20%	72,196
30%	53,357
40%	34,574
50%	24,959
60%	3,170
70%	-19,813
80%	-37,834
90%	-62,801
Long Term	
Full Simulation Period[a]	19,803
Water Year Types[b,c]	
Wet (32%)	80,539
Above Normal (15%)	26,414
Below Normal (17%)	-49,369
Dry (22%)	-9,348
Critical (15%)	6,026

Table 31-3b. CVP, SWP, and Sites Project Facilities Net Revenue, Alternative 2 011221, Annual Revenue (1000)

Statistic	Revenue (1000)
Probability of Exceedance	
10%	94,706
20%	57,003
30%	42,306
40%	24,407
50%	4,277
60%	-12,454
70%	-37,682
80%	-55,702
90%	-71,554
Long Term	
Full Simulation Period[a]	6,459
Water Year Types[b,c]	
Wet (32%)	74,280
Above Normal (15%)	16,145
Below Normal (17%)	-56,308
Dry (22%)	-33,280
Critical (15%)	-17,340

Table 31-3c. CVP, SWP, and Sites Project Facilities Net Revenue, Alternative 2 011221 minus No Action Alternative 011221, Annual Revenue (1000)

Statistic	Revenue (1000)
Probability of Exceedance	
10%	-8,206
20%	-15,193
30%	-11,051
40%	-10,168
50%	-20,682
60%	-15,623
70%	-17,868
80%	-17,868
90%	-8,753
Long Term	
Full Simulation Period[a]	-13,345
Water Year Types[b,c]	
Wet (32%)	-6,259
Above Normal (15%)	-10,269
Below Normal (17%)	-6,938
Dry (22%)	-23,932
Critical (15%)	-23,366

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with Oct-Sep water year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Table 31-4a. CVP, SWP, and Sites Project Facilities Net Revenue, No Action Alternative 011221, Annual Revenue (1000)

Statistic	Revenue (1000)
Probability of Exceedance	
10%	102,913
20%	72,196
30%	53,357
40%	34,574
50%	24,959
60%	3,170
70%	-19,813
80%	-37,834
90%	-62,801
Long Term	
Full Simulation Period[a]	19,803
Water Year Types[b,c]	
Wet (32%)	80,539
Above Normal (15%)	26,414
Below Normal (17%)	-49,369
Dry (22%)	-9,348
Critical (15%)	6,026

Table 31-4b. CVP, SWP, and Sites Project Facilities Net Revenue, Alternative 3 020121, Annual Revenue (1000)

Statistic	Revenue (1000)
Probability of Exceedance	
10%	89,612
20%	61,623
30%	43,648
40%	25,479
50%	7,668
60%	-7,235
70%	-35,920
80%	-49,614
90%	-71,598
Long Term	
Full Simulation Period[a]	7,757
Water Year Types[b,c]	
Wet (32%)	73,656
Above Normal (15%)	16,166
Below Normal (17%)	-55,496
Dry (22%)	-29,173
Critical (15%)	-14,246

Table 31-4c. CVP, SWP, and Sites Project Facilities Net Revenue, Alternative 3 020121 minus No Action Alternative 011221, Annual Revenue (1000)

Statistic	Revenue (1000)
Probability of Exceedance	
10%	-13,300
20%	-10,573
30%	-9,709
40%	-9,095
50%	-17,291
60%	-10,405
70%	-16,106
80%	-11,780
90%	-8,797
Long Term	
Full Simulation Period[a]	-12,047
Water Year Types[b,c]	
Wet (32%)	-6,883
Above Normal (15%)	-10,248
Below Normal (17%)	-6,126
Dry (22%)	-19,825
Critical (15%)	-20,273

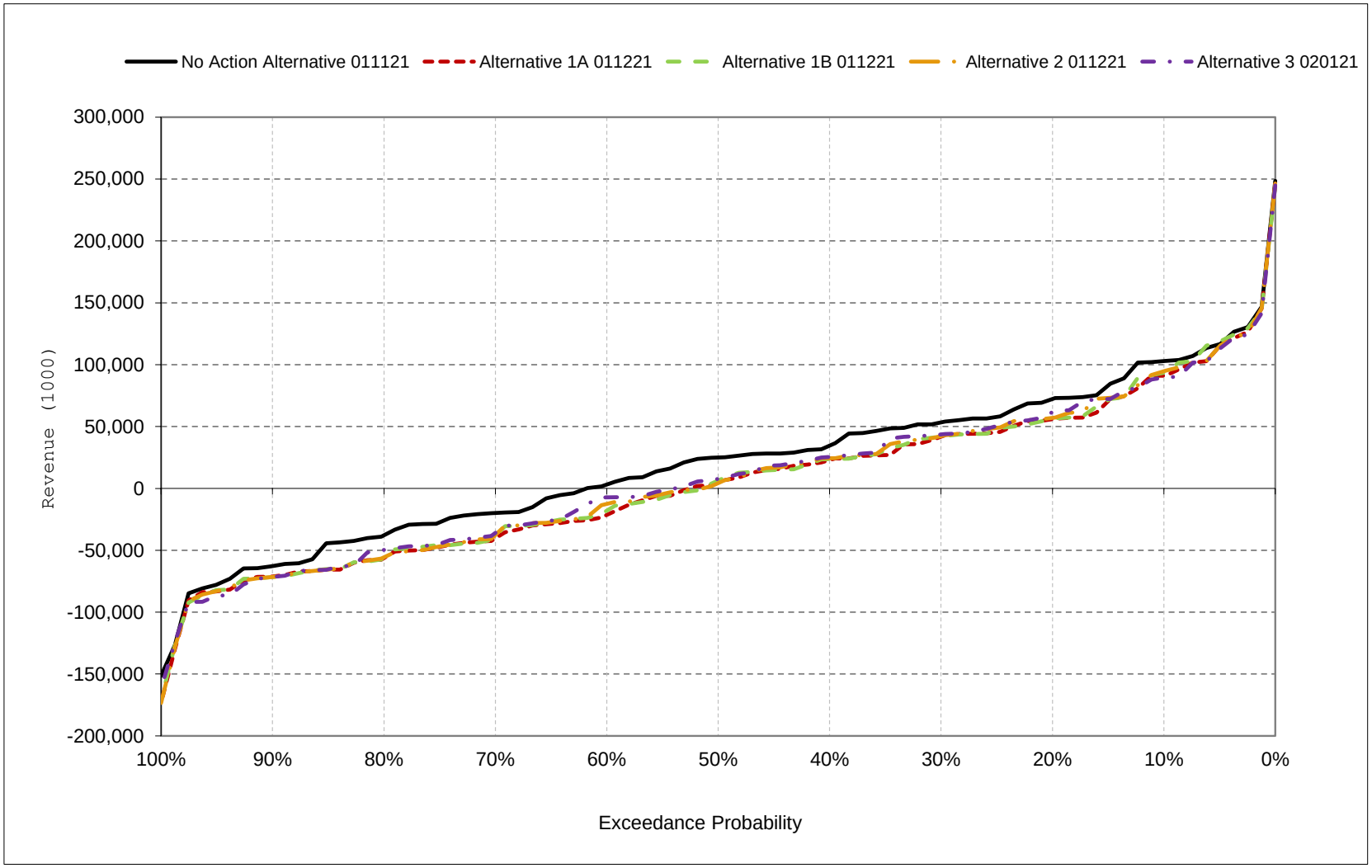
a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with Oct-Sep water year - year type sorting.

d All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 31-1. October-September CVP, SWP, and Sites Project Facilities Net Revenue



*All scenarios are simulated at current climate and 0 cm sea level rise.