

Forecast-Based Operations Viability Assessment Factors

Factors for conditional formatting

Project	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)														
	Gross Pool (ac-ft)	Is this a dam that has a controlled outlet?	Ranking for Column (1)	Is this project currently operated for flood control only?	Ranking for Column (2)	Are there dam safety concerns at the project that has changed operations temporarily?	Ranking for Column (3)	Is the project considered a re-regulation project?	Ranking for Column (4)	What is the channel capacity downstream of the dam? (cfs)	What is the maximum volume between Bottom of Flood Control and Gross Pool (rainfall)? (ac-ft)	Number of days to evacuate maximum volume of flood control pool at channel capacity and ZERO inflow?	Ranking for Column (7)	On February 15th, what is the minimum amount of flood control space? (ac-ft)	What volume can be evacuated in 3 days at channel capacity and ZERO inflow? (ac-ft)	What percent encroachment can be evacuated in 3 days based on minimum flood control space in column D?	Ranking for Column (10)	At what percent encroachment can the project release channel capacity?	Ranking for Column (11)	Is there significant local flow between the dam and the control point?	Ranking for Column (12)	Is there a forecasted inflow to the reservoir already being produced?	Ranking for Column (13)	If upstream regulation is present, does the forecast consider the impacts of significant upstream regulation?	Ranking for Column (14)	Is a hindcast already available to evaluate the reliability of current forecasted inflow?	Ranking for Column (15)	Have rules been drafted for use of the forecast products?	Ranking for Column (16)	How difficult would it be to update NCM based on FBO Assessment Factors?
SACRAMENTO RIVER BASIN																														
Statia	4,552,100	YES	1	NO	0	NO	0	NO	0	79,000	1,300,000	8	50	500,000	470,516	94	1	42	10	YES	10	YES	0	NO	1	NO	1	NO	1	24
Oroville	3,538,000	YES	1	NO	0	NO	0	NO	0	150,000	750,000	3	1	375,000	893,385	100	1	27	10	YES	10	YES	0	NO	1	YES	0	NO	1	24
Folsom	977,000	YES	1	NO	0	NO	0	NO	0	115,000	600,000	3	1	400,000	684,929	100	1	5	1	NO	0	YES	0	YES	0	YES	0	YES	0	3
New Bullards Bar	966,000	YES	1	NO	0	NO	0	NO	0	50,000	170,000	2	1	170,000	297,795	100	1	34	10	YES	10	YES	0	N/A	0	YES	0	NO	1	23
Indian Valley	300,600	YES	1	NO	0	NO	0	NO	0	40,000	40,000	2	1	40,000	59,559	100	1	17	10	YES	10	YES	0	N/A	0	NO	1	NO	1	24
Black Butte	136,200	YES	1	NO	0	NO	0	NO	0	15,000	136,200	5	2	106,400	89,339	84	1	8	1	NO	0	YES	0	NO	1	NO	1	NO	1	6
Englebright	70,000	NO	0	N/A	0	NO	0	NO	0	N/A	N/A	N/A	0	N/A	N/A	N/A	1	N/A	0	NO	0	YES	0	YES	0	NO	1	NO	1	0
SAN JOAQUIN RIVER BASIN																														
New Melones	2,420,000	YES	1	NO	0	NO	0	NO	0	8,000	450,000	28	50	450,000	47,647	11	50	0	1	YES	10	YES	0	NO	1	NO	1	NO	1	114
Don Pedro	2,030,000	YES	1	NO	0	NO	0	NO	0	9,000	340,000	19	50	340,000	53,603	16	50	0	1	YES	10	YES	0	NO	1	NO	1	NO	1	114
New Exchequer/ McClure	1,024,000	YES	1	NO	0	NO	0	NO	0	6,000	350,000	29	50	350,000	35,735	10	50	0	1	YES	10	YES	0	N/A	0	NO	1	NO	1	113
Friant/Millerton	520,500	YES	1	NO	0	NO	0	NO	0	6,500	170,000	13	50	170,000	38,713	23	50	0	1	YES	10	YES	0	NO	1	NO	1	NO	1	114
Camanche	417,100	YES	1	NO	0	NO	0	NO	0	5,000	200,000	20	50	130,000	29,780	23	50	0	1	NO	0	YES	0	NO	1	NO	1	NO	1	104
New Hogan	317,100	YES	1	NO	0	NO	0	NO	0	12,500	165,000	7	50	125,000	74,449	59	10	1	1	YES	10	YES	0	N/A	0	NO	1	NO	1	28
Buchanan/Eastman	150,000	YES	1	NO	0	NO	0	NO	0	7,000	45,000	3	2	33,000	43,691	100	1	0	1	YES	10	YES	0	N/A	0	NO	1	NO	1	16
Hidden/Hensley	90,000	YES	1	NO	0	NO	0	NO	0	5,000	65,000	7	50	49,000	29,780	100	1	0	1	YES	10	YES	0	N/A	0	NO	1	NO	1	23
Tulloch	67,000	YES	1	NO	0	NO	0	YES	50	8,000	10,000	1	1	10,000	47,647	61	1	0	1	NO	0	NO	1	N/A	0	NO	1	NO	1	56
Farmington	52,000	YES	1	YES	50	NO	0	NO	0	2,000	52,000	13	50	52,000	11,912	23	50	3	1	YES	10	YES	0	N/A	0	NO	1	NO	1	163
Los Banos	34,600	YES	1	NO	0	NO	0	NO	0	1,000	14,000	7	50	14,000	5,956	43	10	0	1	NO	0	YES	0	N/A	0	NO	1	NO	1	53
Big Dry Creek	30,200	YES	1	YES	50	NO	0	NO	0	700	30,200	22	50	30,200	4,169	14	50	2	1	YES	10	NO	1	N/A	0	NO	1	NO	1	164
Mariposa	15,000	NO	0	N/A	0	NO	0	NO	0	N/A	N/A	N/A	0	N/A	N/A	N/A	1	N/A	0	NO	0	YES	0	N/A	0	NO	1	NO	1	0
Bear	7,700	NO	0	N/A	0	NO	0	NO	0	N/A	N/A	N/A	0	N/A	N/A	N/A	1	N/A	0	NO	0	YES	0	N/A	0	NO	1	NO	1	0
Burns	6,800	NO	0	N/A	0	NO	0	NO	0	N/A	N/A	N/A	0	N/A	N/A	N/A	1	N/A	0	NO	0	YES	0	N/A	0	NO	1	NO	1	0
Owens	3,600	NO	0	N/A	0	NO	0	NO	0	N/A	N/A	N/A	0	N/A	N/A	N/A	1	N/A	0	NO	0	YES	0	N/A	0	NO	1	NO	1	0
TULARE LAKEBED BASIN																														
Pine Flat	1,000,000	YES	1	NO	0	NO	0	NO	0	4,750	475,000	50	50	260,000	28,291	11	50	0	1	NO	0	YES	0	NO	1	NO	1	NO	1	104
Isabella	568,100	YES	1	NO	0	YES	50	NO	0	4,600	398,100	44	50	323,100	27,397	8	50	0	1	NO	0	YES	0	N/A	0	NO	1	NO	1	153
Terminus/Kaweah	185,600	YES	1	NO	0	NO	0	NO	0	5,500	173,600	18	50	169,600	32,757	19	50	0	1	NO	0	YES	0	N/A	0	NO	1	NO	1	101
Success	82,300	YES	1	NO	0	NO	0	NO	0	3,200	75,000	12	50	72,000	19,059	26	10	0	1	NO	0	YES	0	N/A	0	NO	1	NO	1	63
TULUCKEE RIVER BASIN																														
Martis Creek	20,400	YES	1	YES	50	YES	50	NO	0	1,200	15,000	6	50	15,000	7,147	48	10	216	20	YES	10	YES	0	N/A	0	NO	1	NO	1	192
Boca	41,100	YES	1	NO	0	NO	0	NO	0	3,000	8,000	1	1	8,000	17,868	100	1	88	20	YES	10	YES	0	N/A	0	NO	1	NO	1	34
Stamphle	235,500	YES	1	NO	0	NO	0	NO	0	3,000	22,000	4	2	22,000	17,868	81	1	N/A	20	YES	10	YES	0	N/A	0	NO	1	NO	1	35
Prosser	29,800	YES	1	NO	0	NO	0	NO	0	1,800	20,000	6	50	20,000	10,721	54	10	N/A	20	YES	10	YES	0	N/A	0	NO	1	NO	1	92
RUSSIAN RIVER BASIN																														
Coyote	116,470	YES	1	NO	0	NO	0	NO	0	6,400	50,100	4	2	50,100	38,118	76	1	56	20	YES	10	YES	0	N/A	0	YES	0	NO	1	34
Warm Springs	381,000	YES	1	NO	0	NO	0	NO	0	6,000	136,000	N/A	0	136,000	35,735	26	10	N/A	1	YES	10	YES	0	N/A	0	NO	1	NO	1	23
CENTRAL COAST BASIN																														
Del Valle	77,000	YES	1	NO	0	NO	0	NO	0	7,000	38,000	10	50	38,000	41,691	100	1	50	10	NO	0	YES	0	N/A	0	NO	1	NO	1	63

LEGEND

No need to act	Example: Dry dam, no pre-releases can be made.	0	Englebright, Merced
Action - Easy to implement	Example: All hindcast analysis has been completed, models have been created and run, rules have been drafted for use of the forecast products.	1-9	Folsom
Action - Medium Difficulty to implement	Example: Forecast products are in place and have been developed, but some to no analysis has been started and rules have not been drafted for use of the forecast products.	10-49	Coyote (low end), others (high end)
Action - Hard Difficulty to implement	Example: The window needed to make releases is longer than a reliable forecast period; i.e. there is not enough downstream capacity to release water in advance; no forecast products are in place for the reservoir.	50+	