

# San Francisco Bay Ferry Fleet

# Water Emergency Transportation Authority

Vessel <sup>(A)</sup>	Peralta	Encinal	Bay Breeze	Intintoli	Mare Island	Solano	Vallejo	Gemini Class	Central Bay: Hydrus	Central Bay: Cetus	Central Bay: Vessels 3 & 4	North Bay/ Richmond High Speed
												
<b>No. of Vessels</b>	1	1	1	1	1	1	1	4	1	1	2	3
<b>Build By</b>	Nichols Brothers Boat Builders	Nichols Brothers Boat Builders	Nichols Brothers Boat Builders	Dakota Creek Industries	Dakota Creek Industries	Dakota Creek Industries	Gladding-Hearn	Kvichak Marine Industries and Nichols Brothers Boat Builders	Vigor (formerly Kvichak Marine)	Vigor (formerly Kvichak Marine)	Vigor (formerly Kvichak Marine)	Dakota Creek Industries
<b>In Service Date</b>	2002	1985	1994	1997	1997	2004	1994	2008-2009	April 2017	July 2017	Projected #3: January 2018 #4: November 2018	Projected #1: December 2018 #2: July 2019 #3: December 2019
<b>Original Cost</b>	\$5.2 million	\$2.1 million	\$2.1 million	\$6 million	\$6 million	\$11.2 million	\$3.2 million	\$8.6 million each	\$15.1 million	\$15.1 million	\$15.1 million each	\$19.2 million each
<b>Number of Decks</b>	2	3	2	2	2	2	2	2	2	2	2	2
<b>Passenger Capacity</b>	331	395	250	349	330	320	267	Pisces and Gemini: 225 Taurus and Scorpio: 199	400	400	400	445
<b>Bike Capacity</b>	20	20	20	10	10	10	10	34	50	50	50	24
<b>Wheelchair Access</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Onboard Restrooms, Snacks, Drinks</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Engines</b>	2 x Cummins QSK50	2 x DD Series 4000	2 x MTU 16V2000	2 x MTU 16V4000 M73	2 x MTU 16V4000 M73	2 x MTU 16V4000 M71	2 x MTU 12V4000 M70	2 x MTU 16V2000	2 MTU 12V4000 EPA Tier 3**	2 MTU 12V4000 EPA Tier 3**	2 MTU 12V4000 EPA Tier 3**	2 MTU 16V4000 EPA Tier 4
<b>Propulsion</b>	Propeller	Propeller	1994-2014: Water Jet 2014 to present: Propeller	2 x MJP 750 Mk 2 Water Jet	2 x MJP 750 Mk 2 Water Jet	2 x Hamilton 811 Water Jet	2 x Hamilton 721 Water Jet	Propeller	Propeller	Propeller	Propeller	2 Hamilton HT810 Water Jet
<b>Service Speed Knots (miles per hour)</b>	25 (28.7)	23 (26.5)	26 (30)	34 (39)	34 (39)	34 (39)	34 (39)	26 (30)	27 (31)	27 (31)	27 (31)	34 (39)
<b>Length, Overall (meters)</b>	37	27.4	29.6	41.3	41.3	41.3	33.7	35.9	41	41	41	44
<b>Beam, Extreme (meters)</b>	10	9.6	8.9	12	12	12	8.7	8.8	11.5	11.5	11.5	12
<b>Mean Draft, Loaded</b>	2	2.7	1.2	1.5	1.5	1.5	1	1.9/2.0	2	2	2	1.5
<b>Gross Tonnage</b>	91	96	97	95	95	91	84	90	95	95	95	<100
<b>Fuel Type</b>	Bio Diesel B5	Bio Diesel B5	Bio Diesel B5	Ultra Low Sulfur Diesel	Ultra Low Sulfur Diesel	Ultra Low Sulfur Diesel	Ultra Low Sulfur Diesel	Bio Diesel B5	Bio Diesel B5	Bio Diesel B5	Bio Diesel B5	Ultra Low Sulfur Diesel
<b>Fuel Capacity (US gallons)</b>	4,400	5,400	2,000	5,000	5,000	6,600	4,500	2,400	3,000	3,000	3,000	4,400
<b>Fresh Water Capacity (US gallons)</b>	750	500	750	500	500	500	400	500	500	500	500	600
<b>Hull Material</b>	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
<b>Retirement Date</b>	2027	2017	2020	2022	2022	2029	2018	2033-2034	2042	2042	2043	2043-2044
<b>Note</b>		Replacement: Cetus					Replacement: new 34 knot high speed vessel					1st boat replaces MV Vallejo.

(A) There are 12 vessels in the WETA fleet including the M.V. Harbor Bay Express II which has been out of service for several years and is not detailed in this table. The M.V. Hydrus replaces the Express II.

\*\* Tier 3 engine with Selenium Catalytic Reduction = Tier 4 level emissions reduction.