

Appendix I

Survey of Ferry Vessel Owner/Operators

During the first two weeks of November 2007, Air Resources Board (Board or ARB) staff conducted a phone survey of ferry vessel owner/operators to estimate the engine model year distribution of California ferries. The survey was conducted in response to the Board's instruction to evaluate the possibility of accelerating the replacement of later model year (1996-1999) Tier 0 ferry diesel engines from the 2015-2016 time frame to 2014. The direction applied only to ferries with home ports outside the South Coast Air Quality Management District (SCAQMD) as the originally proposed schedule provided for replacement of all Tier 0 engines on SCAQMD ferries prior to 2014. The purpose of the survey was to estimate the number of ferry engines that would be impacted by the change proposed by the Board.

Staff contacted nine California ferry operators and obtained information on a total of 35 ferries, as shown in Table I-1 below. Staff estimates that these represent approximately half of the total state-wide ferry fleet. Of these 35 ferries, 4 ferries outside the SCAQMD have propulsion engines in the 1996-1999 model year range. Based on this survey, less than 10 ferries statewide would be impacted by this schedule acceleration.

Table I-1 Survey Results: Number of Ferry Vessels by Area and Propulsion Engine Model Year

Engine Model Year	Home Port in SCAQMD	Home Port Outside SCAQMD	Total
Pre-1996 (Tier 0)	5	2	7
1996-1999 (Tier 0)	1	4	5
2000 (Tier 1)		4	4
Post-2000 (Tier 1)	4	10	14
2007+ (Tier 2)	1	4	5
Total	11	24	35