## US ENVIRONMENTAL PROTECTION AGENCY **ENVIRONMENTAL FINANCIAL ADVISORY BOARD** SAMPLE MODEL: CHESAPEAKE BAY (User input variables in <u>BLUE</u>) (All \$ = 2018 USD) FUND LEVEL OUTPUTS/INPUTS KEY FUND INDICATORS, AFTER FEES & EXPENSES: NOMINAL INVESTOR IRR, AFTER FEES & EXPENSES 15.0% NOMINAL MANAGER IRR, AFTER FEES & EXPENSES TOTAL EQUITY CONTRIBUTIONS BY INVESTORS (A) 61.2% \$12,399,750 TOTAL EQUITY CONTRIBUTIONS BY MANAGER \$125,250 TOTAL DISTRIBUTIONS TO INVESTORS (B) \$18,873,543 TOTAL DISTRIBUTIONS TO MANAGER \$822,658 TOTAL ASSETS UNDER MANAGEMENT \$50,000,000 INVESTOR CASH MULTIPLE (B / A) KEY INPUTS: TOTAL ASSETS UNDER MANAGEMENT \$50,000,000 2.00% TOTAL EQUITY COMMITMENT \$12,525,000 MANAGER EQUITY CONTRIBUTION FUND FORMATION & DEAD DEAL EXPENSES INVESTOR EQUITY CONTRIBUTION MISC ANNUAL ADMINISTRATION EXPENSES PROMOTE STRUCTURE (SINGLE TIER WATERFALL W/NO CLAWBACK) FUND CASH RESERVE REQUIREMENT, MINIMUM HURDLE RATE FUND TERM MANAGER CARRIED INTEREST FUND START DATE (12/31/XX) 2018 ASSET MANAGEMENT FEE (AS % OFASSETS UNDER MANAGEMENT) FUND LENGTH (YEARS) PROJECT LEVEL OUTPUTS/INPUTS PROJECT A PROJECT B PROJECT C PROJECT D PROJECT E KEY PROJECT INDICATORS: NOMINAL IRR, PROJECT LEVEL (PRE-LEVERAGE) 10.0% 10.0% 10.0% 10.0% 10.0% NOMINAL IRR. PROJECT LEVEL (POST-LEVERAGE) 30.0% 29.9% 30.0% 29.9% 29.9% \$10,000,000 \$17,215,906 \$10,000,000 \$17,205,136 \$10,000,000 \$16,194,632 \$10,000,000 \$16,167,198 INITIAL INVESTMENT \$10,000,000 \$16,110,222 NET REVENUE ACCUMULATED CASH REQUIREMENTS (A) \$2 500 000 \$2 500 000 \$2 500 000 \$2 500 000 \$2 500 000 NET FREE CASH FLOW (B) \$5,227,153 \$5,228,961 \$5,228,590 \$5,228,818 \$5,229,275 CASH MULTIPLE (B / A) 2.1 X 2.1 X 2.1 X 2.1 X 2.1 X PEAK CAPITAL OUTSTANDING \$2,500,000 TOTAL GROSS REVENUE GENERATED FROM CREDIT SALES \$21,715,576 \$17,712,828 \$18,017,869 \$17,917,488 \$21,672,380 PROJECT LEVEL INPUTS: YEAR PROJECT ACQUIRED (12/31/XX) PROJECT DISCOUNT RATE (TO CALCULATE RESIDUAL VAUE) PROJECT LENGTH (YEARS) MONITORING LENGTH (YEARS) # TOTAL CREDITS GENERATED / PROJECT BEGINNING CREDIT INVENTORY ENDING CREDIT INVENTORY (@END OF PROJECT) % OF RELEASED CREDITS SOLD / YEAR % OF TOTAL CREDITS RELEASED IN YEAR ONE 20.0% 20.0% 20.09 20.0% 20.0% % OF TOTAL CREDITS RELEASED ANNUALLY THEREAFTER 20.0% 20.0% 20.0% 20.0% \$ / CREDIT \$63,525 \$327,150 \$104,240 \$367,700 ANNUAL REAL CREDIT PRICE ESCALATOR (ON TOP OF INFLATION) SALES COMMISSION (% OF GROSS CREDIT REVENUE) TRANSACTION FEE (% OF GROSS CREDIT REVENUE) OTHER TOTAL REVENUE / YEAR COST INPUTS: \$10,000,000 TOTAL PROJECT VALUE \$10,000,000 \$10,000,000 \$10,000,000 CASH RESERVE REQUIREMENT, MINIMUM TOTAL PROJECT ACRES \$663,894 \$7,902,995 \$990,346 \$0 \$139,701 TOTAL LAND ACQUISITION COSTS BASE LAND ACQUISITION COST (PER ACRE) OTHER LAND-RELATED COSTS DUE AT ACQUISITION (PER ACRE) CLOSING & ORIGINATION COST (% of BASE ACQUISITION COST) TOTAL PRE-CONSTRUCTION COSTS \$1,793,482 \$153,456 \$1,730,703 \$734.559 \$2.373.566 SOFT COSTS (PER ACRE) \$30,492 \$52,500 \$3,000 MISC. OTHER SOFT COSTS (PER ACRE) TOTAL CONSTRUCTION COSTS \$7,532,624 \$1,933,548 \$7,268,951 \$9,255,441 \$7,476,733 CONSTRUCTION COSTS (PER ACRE) CONSTRUCTION MANAGEMENT (% OF TOTAL CONS. COST EXC CONTINGENCY) 5.0% 5.0% 5.0% 5.0% CONSTRUCTION CONTINGENCY (% OF CONSTRUCTION COST) TOTAL CAPITALIZATION FINANCING A (SENIOR DEBT) LOAN-TO-COST 75.0% 75.0% 75.0% PRINCIPAL \$7,500,000 \$7,500,000 \$7,500,000 \$7,500,000 \$7,500,000 TERM (YRS) 5 year(s) 5 year(s) 5 year(s) 5 year(s) 5 year(s) RATE FINANCING B (MEZZANINE OR BRIDGE DEBT OR PREFERRED EQUITY) PRINCIPAL TERM (YRS) 5 year(s) 5 year(s) 5 year(s) 5 year(s) 5 year(s) RATE 10.0% 10.0% 10.0% TOTAL EQUITY \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 TOTAL CAPITALIZATION \$10,000,000 \$10,000,000 \$10,000,000 \$10,000,000 \$10,000,000 O & M ENDOWMENT TOTAL PROJECT ENDOWMENT SIZE \$4,039,044 \$1,016,649 \$4,005,731 \$1,247,400 \$1,171,281 ANNUAL ENDOWMENT FUNDING 16.8% 16.7% ASSUMED ENDOWMENT REAL GROWTH RATE ESTABLISH O & M ENDOWMENT? (USE PULL-DOWN MENU) TOTAL ANNUAL O & M COSTS \$270,489 \$68,083 \$260,394 \$81,088 \$76,139 ANNUAL MAINTENANCE COST (PER ACRE) \$1,231 ANNUAL MONITORING COST (PER ACRE) ANNUAL MARKETING COST (PER ACRE) ANNUAL MISCELLANEOUS COST (PER ACRE) ANNUAL REAL COST ESCALATOR, TYP. ANNUAL PROJECT MANAGEMENT FEE (% OF PROJECT VALUE)

ANNUAL ASSET MANAGEMENT FEE