

CHMRP - NMED DP-55 & AP-27 Combined Financial Assurance NPV Calculation					
Year	Current Cost (P)	Inflation (%) (i)	Future amount (F) = P*(1+i) ⁿ	Discount Rate (D)	Net Present Value (NPV) = F/(1+D) ⁿ
1	\$ 512,056	2.52%	524,960	3.10%	\$ 509,175
2	\$ 506,048	2.52%	531,875	3.10%	\$ 500,371
3	\$ 61,355	2.52%	66,111	3.10%	\$ 60,325
4	\$ 99,240	2.52%	109,628	3.10%	\$ 97,025
5	\$ 88,856	2.52%	100,630	3.10%	\$ 86,384
6	\$ 61,356	2.52%	71,237	3.10%	\$ 59,314
7	\$ 109,139	2.52%	129,909	3.10%	\$ 104,913
8	\$ 61,354	2.52%	74,871	3.10%	\$ 58,647
9	\$ 61,354	2.52%	76,758	3.10%	\$ 58,317
10	\$ 65,905	2.52%	84,529	3.10%	\$ 62,290
11	\$ 61,354	2.52%	80,675	3.10%	\$ 57,663
12	\$ 109,137	2.52%	147,121	3.10%	\$ 101,993
13	\$ 21,958	2.52%	30,346	3.10%	\$ 20,405
14	\$ 21,958	2.52%	31,110	3.10%	\$ 20,290
15	\$ 21,958	2.52%	31,894	3.10%	\$ 20,176
16	\$ 31,765	2.52%	47,303	3.10%	\$ 29,024
17	\$ 79,546	2.52%	121,441	3.10%	\$ 72,272
18	\$ 31,765	2.52%	49,718	3.10%	\$ 28,698
19	\$ 36,317	2.52%	58,273	3.10%	\$ 32,625
20	\$ 31,765	2.52%	52,255	3.10%	\$ 28,376
21	\$ 22,912	2.52%	38,641	3.10%	\$ 20,352
22	\$ 70,691	2.52%	122,223	3.10%	\$ 62,440
23	\$ 476,505	2.52%	844,628	3.10%	\$ 418,520
24	\$ 463,163	2.52%	841,667	3.10%	\$ 404,513
25	\$ 463,163	2.52%	862,877	3.10%	\$ 402,237
26	\$ 22,912	2.52%	43,761	3.10%	\$ 19,786
27	\$ 70,691	2.52%	138,419	3.10%	\$ 60,703
28	\$ 22,912	2.52%	45,994	3.10%	\$ 19,564
29	\$ 22,912	2.52%	47,153	3.10%	\$ 19,454
30	\$ 32,731	2.52%	69,059	3.10%	\$ 27,635
31	\$ 22,912	2.52%	49,560	3.10%	\$ 19,236
32	\$ 70,691	2.52%	156,761	3.10%	\$ 59,015
33	\$ 22,912	2.52%	52,089	3.10%	\$ 19,020
34	\$ 22,912	2.52%	53,402	3.10%	\$ 18,913
35	\$ 22,912	2.52%	54,747	3.10%	\$ 18,807
36	\$ 22,912	2.52%	56,127	3.10%	\$ 18,701
37	\$ 80,512	2.52%	202,200	3.10%	\$ 65,345
38	\$ 22,912	2.52%	58,992	3.10%	\$ 18,491
39	\$ 675,022	2.52%	1,781,775	3.10%	\$ 541,708
40	\$ 22,912	2.52%	62,002	3.10%	\$ 18,284
41	\$ 22,912	2.52%	63,565	3.10%	\$ 18,181
42	\$ 80,512	2.52%	228,994	3.10%	\$ 63,527
43	\$ 22,912	2.52%	66,809	3.10%	\$ 17,977
44	\$ 22,912	2.52%	68,492	3.10%	\$ 17,876
45	\$ 22,912	2.52%	70,218	3.10%	\$ 17,775
46	\$ 476,505	2.52%	1,497,143	3.10%	\$ 367,591
47	\$ 520,766	2.52%	1,677,437	3.10%	\$ 399,475
48	\$ 463,163	2.52%	1,529,491	3.10%	\$ 353,290
49	\$ 22,912	2.52%	77,568	3.10%	\$ 17,378
50	\$ 22,912	2.52%	79,523	3.10%	\$ 17,281
51	\$ 22,912	2.52%	81,527	3.10%	\$ 17,183
52	\$ 80,512	2.52%	293,704	3.10%	\$ 60,042
53	\$ 22,912	2.52%	85,688	3.10%	\$ 16,991
54	\$ 22,912	2.52%	87,847	3.10%	\$ 16,895
55	\$ 22,912	2.52%	90,061	3.10%	\$ 16,800
56	\$ 22,912	2.52%	92,330	3.10%	\$ 16,705
57	\$ 80,512	2.52%	332,623	3.10%	\$ 58,372
58	\$ 22,912	2.52%	97,042	3.10%	\$ 16,518
59	\$ 22,912	2.52%	99,488	3.10%	\$ 16,425
60	\$ 22,912	2.52%	101,995	3.10%	\$ 16,333
61	\$ 22,912	2.52%	104,565	3.10%	\$ 16,241
62	\$ 80,512	2.52%	376,700	3.10%	\$ 56,749
63	\$ 22,912	2.52%	109,902	3.10%	\$ 16,059
64	\$ 22,912	2.52%	112,671	3.10%	\$ 15,968
65	\$ 22,912	2.52%	115,511	3.10%	\$ 15,878
66	\$ 22,912	2.52%	118,421	3.10%	\$ 15,789
67	\$ 80,512	2.52%	426,617	3.10%	\$ 55,171
68	\$ 22,912	2.52%	124,465	3.10%	\$ 15,612
69	\$ 572,357	2.52%	3,187,573	3.10%	\$ 387,804
70	\$ 1,019,419	2.52%	5,820,425	3.10%	\$ 686,828
71	\$ 463,163	2.52%	2,711,094	3.10%	\$ 310,298
72	\$ 80,512	2.52%	483,149	3.10%	\$ 53,636
73	\$ 22,912	2.52%	140,958	3.10%	\$ 15,178
74	\$ 22,912	2.52%	144,510	3.10%	\$ 15,092
75	\$ 22,912	2.52%	148,152	3.10%	\$ 15,007
76	\$ 22,912	2.52%	151,886	3.10%	\$ 14,923
77	\$ 80,512	2.52%	547,172	3.10%	\$ 52,144
78	\$ 22,912	2.52%	159,637	3.10%	\$ 14,756
79	\$ 22,912	2.52%	163,660	3.10%	\$ 14,673
80	\$ 22,912	2.52%	167,784	3.10%	\$ 14,590
81	\$ 22,912	2.52%	172,012	3.10%	\$ 14,508
82	\$ 80,512	2.52%	619,680	3.10%	\$ 50,694
83	\$ 22,912	2.52%	180,791	3.10%	\$ 14,345
84	\$ 22,912	2.52%	185,347	3.10%	\$ 14,265
85	\$ 22,912	2.52%	190,018	3.10%	\$ 14,184
86	\$ 22,912	2.52%	194,806	3.10%	\$ 14,104
87	\$ 80,512	2.52%	701,795	3.10%	\$ 49,284
88	\$ 22,912	2.52%	204,748	3.10%	\$ 13,946
89	\$ 22,912	2.52%	209,908	3.10%	\$ 13,868
90	\$ 22,912	2.52%	215,197	3.10%	\$ 13,790
91	\$ 22,912	2.52%	220,620	3.10%	\$ 13,712
92	\$ 80,512	2.52%	794,791	3.10%	\$ 47,913
93	\$ 22,912	2.52%	231,880	3.10%	\$ 13,558
94	\$ 22,912	2.52%	237,723	3.10%	\$ 13,482
95	\$ 22,912	2.52%	243,714	3.10%	\$ 13,406
96	\$ 22,912	2.52%	249,855	3.10%	\$ 13,331
97	\$ 80,512	2.52%	900,111	3.10%	\$ 46,581
98	\$ 22,912	2.52%	262,607	3.10%	\$ 13,181
99	\$ 22,912	2.52%	269,224	3.10%	\$ 13,107
100	\$ 637,733	2.52%	7,682,436	3.10%	\$ 362,771
non-NPV	\$ 559,433		\$ 559,433		\$ 559,433
Current Cost=	\$ 11,289,868	Future Amount=	\$ 44,565,816	Net Present Value=	\$ 8,929,482