In-Use Compliance Cost Range Estimates Oct. 14, 03

This Matrix calculates the in-use cost of compliance for TRUs and TRU gen sets ("TRUs".) It takes the annual TRU population numbers (same as used for emissions inventory purposes) and multiplies them by the capital and annual costs for the compliance technology shown. The capital costs are amortized over an assumed ten-year useful life, and all annual costs are converted to constant year (2002) dollars using standard present worth analysis techniques.

In this scenario, on a year-by-year basis, population figures for each engine category are multiplied by the annualized capital cost and the early retirement allowance factor; these products are then summed to determine the compliance cost for a given year.

Interest Rates Used for Present Worth Analysis

Capital Costs:	0.05	Real interest rate, which is a 7% nominal rate minus an assumed 2% inflation rate
Annual Costs:	0.05	Real interest rate, which is a 7% nominal rate minus an assumed 2% inflation rate

Assumptions: 10-year useful life for compliance technology; capital cost is amortized over a 10-year period.

Lack of VDECS Scenario:

Early Retirement Allowance Profile (cost factor attributable to ATCM)

Compliance Scenario	Size	Cap. Cost	Ann. Cost	Year 1	2	3	4	5	6	7	8	9	10
LETRU: TRU Replacement	<15 HP	$10,000	$0	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
	15-25 HP	$15,000	$0	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
	>25 HP	$20,000	$0	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
LETRU-GEN: Replacement w/new	>25 HP	$12,000	$0	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
ULETRU: Engine Replacement	<15 HP	$4,000	$0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
	15-25 HP	$4,500	$0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
	>25 HP	$5,000	$0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
ULETRU-GEN: Engine Replacement	>25	$5,000	$0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4

Engine Population Category

Engine Model Year	Calendar Year	< 15hp	15-25 hp	25-50 hp CA-based	25-50 hp Out-of-State	25-50 hp Gen Sets CA-based	25-50 hp Gen Sets Out-of-State	25-50 hp Railcar	Reefer Total 25-50 hp (Info Only)	Total (this year)
-2001	**2008 All**	2125	880	11162	3721	856	285	822	16846	19851
-1998	**2008**	1061	462	6045	2015	509	170	539	9278	10801
1999	**2008**	322	195	2215	738	80	27	89	3149	3666
2000	**2008**	353	139	1803	601	124	41	94	2663	3155
2001	**2008**	383	84	1099	366	142	47	100	1754	2221
2002	**2009**	311	124	1419	473	156	52	105	2205	2640
2003	**2010**	326	128	1493	498	172	57	110	2330	2784
2004	**2011**	340	132	1571	524	189	63	116	2463	2935
2005	**2012**	356	136	1652	551	209	70	122	2604	3096
2006	**2013**	372	140	1738	579	230	77	128	2752	3264
2007	**2014**	389	144	1829	610	254	85	135	2913	3446
2008	**2015**	407	148	1924	641	279	93	142	3079	3634
2009	**2016**	426	153	2024	675	308	103	149	3259	3838
2010	**2017**	445	157	2129	710	339	113	157	3448	4050
2011	**2018**	465	162	2240	747	374	125	165	3651	4278
2012	**2019**	486	167	2356	785	412	137	174	3864	4517
2013	**2020**	509	172	a	a	a	a	a	a	681
	2021	a	a	a	a	a	a	a	a	a
	2022	a	a	a	a	a	a	a	a	a

Capital Cost Subtotal

Engine Model Year	Calendar Year	< 15HP																				Capital Cost Subtotal	< 15HP Early	
-2001	**2008 All**																							
-1998	**2008**	$1,373,995																				$1,373,995	$206,099	
1999	**2008**	$1,373,995	$416,990																			$1,790,985	$206,099	$62,549
2000	**2008**	$1,373,995	$416,990	$457,135																		$2,248,120	$206,099	$62,549
2001	**2008**	$1,373,995	$416,990	$457,135	$495,985																	$2,744,105	$206,099	$62,549
2002	**2009**	$1,373,995	$416,990	$457,135	$495,985	$402,745																$3,146,850	$206,099	$62,549
2003	**2010**	$1,373,995	$416,990	$457,135	$495,985	$402,745	$168,868															$3,315,718	$206,099	$62,549
2004	**2011**	$1,373,995	$416,990	$457,135	$495,985	$402,745	$168,868	$176,120														$3,491,838	$206,099	$62,549
2005	**2012**	$1,373,995	$416,990	$457,135	$495,985	$402,745	$168,868	$176,120	$184,408													$3,676,246	$206,099	$62,549
2006	**2013**	$1,373,995	$416,990	$457,135	$495,985	$402,745	$168,868	$176,120	$184,408	$192,696												$3,868,942	$206,099	$62,549
2007	**2014**	$1,373,995	$416,990	$457,135	$495,985	$402,745	$168,868	$176,120	$184,408	$192,696	$201,502											$4,070,444	$206,099	$62,549
2008	**2015**		$416,990	$457,135	$495,985	$402,745	$168,868	$176,120	$184,408	$192,696	$201,502	$210,826										$2,907,275		$62,549
2009	**2016**			$457,135	$495,985	$402,745	$168,868	$176,120	$184,408	$192,696	$201,502	$210,826	$220,668									$2,710,953		
2010	**2017**				$495,985	$402,745	$168,868	$176,120	$184,408	$192,696	$201,502	$210,826	$220,668	$230,510								$2,484,328		
2011	**2018**					$402,745	$168,868	$176,120	$184,408	$192,696	$201,502	$210,826	$220,668	$230,510	$240,870							$2,229,213		
2012	**2019**						$168,868	$176,120	$184,408	$192,696	$201,502	$210,826	$220,668	$230,510	$240,870	$251,748						$2,078,216		
2013	**2020**							$176,120	$184,408	$192,696	$201,502	$210,826	$220,668	$230,510	$240,870	$251,748	$263,662					$2,173,010		
	2021								$184,408	$192,696	$201,502	$210,826	$220,668	$230,510	$240,870	$251,748	$263,662					$1,996,890		
	2022									$192,696	$201,502	$210,826	$220,668	$230,510	$240,870	$251,748	$263,662					$1,812,482		

Retirement													< 15HP	Early Retirement Cost Subtotal	15-25 HP	Capital Cost Subtotal											
														$206,099	$897,435												
														$268,648	$897,435	$378,788											
$68,570														$337,218	$897,435	$378,788	$270,008										
$68,570	$74,398													$411,616	$897,435	$378,788	$270,008	$163,170									
$68,570	$74,398	$60,412												$472,028	$897,435	$378,788	$270,008	$163,170	$240,870								
$68,570	$74,398	$60,412	$67,547											$539,575	$897,435	$378,788	$270,008	$163,170	$240,870	$74,592							
$68,570	$74,398	$60,412	$67,547	$70,448										$610,023	$897,435	$378,788	$270,008	$163,170	$240,870	$74,592	$76,923						
$68,570	$74,398	$60,412	$67,547	$70,448	$73,763									$683,786	$897,435	$378,788	$270,008	$163,170	$240,870	$74,592	$76,923	$79,254					
$68,570	$74,398	$60,412	$67,547	$70,448	$73,763	$77,078								$760,864	$897,435	$378,788	$270,008	$163,170	$240,870	$74,592	$76,923	$79,254	$81,585				
$68,570	$74,398	$60,412	$67,547	$70,448	$73,763	$77,078	$80,601							$841,465	$897,435	$378,788	$270,008	$163,170	$240,870	$74,592	$76,923	$79,254	$81,585	$83,916			
$68,570	$74,398	$60,412	$67,547	$70,448	$73,763	$77,078	$80,601	$84,330						$719,696		$378,788	$270,008	$163,170	$240,870	$74,592	$76,923	$79,254	$81,585	$83,916	$86,247		
$68,570	$74,398	$60,412	$67,547	$70,448	$73,763	$77,078	$80,601	$84,330	$88,267					$745,415			$270,008	$163,170	$240,870	$74,592	$76,923	$79,254	$81,585	$83,916	$86,247	$89,161	
	$74,398	$60,412	$67,547	$70,448	$73,763	$77,078	$80,601	$84,330	$88,267	$92,204				$769,049				$163,170	$240,870	$74,592	$76,923	$79,254	$81,585	$83,916	$86,247	$89,161	$91,492
		$60,412	$67,547	$70,448	$73,763	$77,078	$80,601	$84,330	$88,267	$92,204	$96,348			$790,999					$240,870	$74,592	$76,923	$79,254	$81,585	$83,916	$86,247	$89,161	$91,492	$94,406
			$67,547	$70,448	$73,763	$77,078	$80,601	$84,330	$88,267	$92,204	$96,348	$100,699		$831,286						$74,592	$76,923	$79,254	$81,585	$83,916	$86,247	$89,161	$91,492	$94,406
				$70,448	$73,763	$77,078	$80,601	$84,330	$88,267	$92,204	$96,348	$100,699	$105,465	$869,204							$76,923	$79,254	$81,585	$83,916	$86,247	$89,161	$91,492	$94,406
					$73,763	$77,078	$80,601	$84,330	$88,267	$92,204	$96,348	$100,699	$105,465	$798,756								$79,254	$81,585	$83,916	$86,247	$89,161	$91,492	$94,406
						$77,078	$80,601	$84,330	$88,267	$92,204	$96,348	$100,699	$105,465	$724,993									$81,585	$83,916	$86,247	$89,161	$91,492	$94,406

15-25 HP		Capital Cost Subtotal	15-25 HP	Early Retirement															15-25 HP	Early Retirement Cost Subtotal	25-50 HP CA-based	Capital Cost Subtotal					
		$897,435	$134,615																	$134,615	$15,656,550						
		$1,276,223	$134,615	$56,818																$191,433	$15,656,550	$5,736,850					
		$1,546,230	$134,615	$56,818	$40,501															$231,935	$15,656,550	$5,736,850	$4,669,770				
		$1,709,400	$134,615	$56,818	$40,501	$24,476														$256,410	$15,656,550	$5,736,850	$4,669,770	$2,846,410			
		$1,950,270	$134,615	$56,818	$40,501	$24,476	$36,131													$292,541	$15,656,550	$5,736,850	$4,669,770	$2,846,410	$3,675,210		
		$2,024,862	$134,615	$56,818	$40,501	$24,476	$36,131	$29,837												$322,377	$15,656,550	$5,736,850	$4,669,770	$2,846,410	$3,675,210	$966,718	
		$2,101,785	$134,615	$56,818	$40,501	$24,476	$36,131	$29,837	$30,769											$353,147	$15,656,550	$5,736,850	$4,669,770	$2,846,410	$3,675,210	$966,718	$1,017,223	
		$2,181,039	$134,615	$56,818	$40,501	$24,476	$36,131	$29,837	$30,769	$31,702										$384,848	$15,656,550	$5,736,850	$4,669,770	$2,846,410	$3,675,210	$966,718	$1,017,223	$1,069,670
		$2,262,624	$134,615	$56,818	$40,501	$24,476	$36,131	$29,837	$30,769	$31,702	$32,634									$417,482	$15,656,550	$5,736,850	$4,669,770	$2,846,410	$3,675,210	$966,718	$1,017,223	$1,069,670
		$2,346,540	$134,615	$56,818	$40,501	$24,476	$36,131	$29,837	$30,769	$31,702	$32,634	$33,566								$451,049	$15,656,550	$5,736,850	$4,669,770	$2,846,410	$3,675,210	$966,718	$1,017,223	$1,069,670
		$1,535,352		$56,818	$40,501	$24,476	$36,131	$29,837	$30,769	$31,702	$32,634	$33,566								$316,433		$5,736,850	$4,669,770	$2,846,410	$3,675,210	$966,718	$1,017,223	$1,069,670
		$1,245,725			$40,501	$24,476	$36,131	$29,837	$30,769	$31,702	$32,634	$33,566	$34,499	$35,664						$329,778			$4,669,770	$2,846,410	$3,675,210	$966,718	$1,017,223	$1,069,670
		$1,067,210				$24,476	$36,131	$29,837	$30,769	$31,702	$32,634	$33,566	$34,499	$35,664	$36,597					$325,874				$2,846,410	$3,675,210	$966,718	$1,017,223	$1,069,670
		$998,445					$36,131	$29,837	$30,769	$31,702	$32,634	$33,566	$34,499	$35,664	$36,597	$37,762				$339,161					$3,675,210	$966,718	$1,017,223	$1,069,670
$97,319		$854,894						$29,837	$30,769	$31,702	$32,634	$33,566	$34,499	$35,664	$36,597	$37,762	$38,928			$341,958						$966,718	$1,017,223	$1,069,670
$97,319	$100,233	$880,535							$30,769	$31,702	$32,634	$33,566	$34,499	$35,664	$36,597	$37,762	$38,928	$40,093		$352,214							$1,017,223	$1,069,670
$97,319	$100,233	$803,612								$31,702	$32,634	$33,566	$34,499	$35,664	$36,597	$37,762	$38,928	$40,093		$321,445								$1,069,670
$97,319	$100,233	$724,358									$32,634	$33,566	$34,499	$35,664	$36,597	$37,762	$38,928	$40,093		$289,743								

								25-50 HP CA-based Capital Cost Subtotal	25-50 HP CA-based Early Retirement															25-50 HP CA-based Early Retirement Subtotal
								$15,656,550	$2,348,483															$2,348,483
								$21,393,400	$2,348,483	$860,528														$3,209,010
								$26,063,170	$2,348,483	$860,528	$700,466													$3,909,476
								$28,909,580	$2,348,483	$860,528	$700,466	$426,962												$4,336,437
								$32,584,790	$2,348,483	$860,528	$700,466	$426,962	$551,282											$4,887,719
								$33,551,508	$2,348,483	$860,528	$700,466	$426,962	$551,282	$386,687										$5,274,406
								$34,568,730	$2,348,483	$860,528	$700,466	$426,962	$551,282	$386,687	$406,889									$5,681,295
								$35,638,400	$2,348,483	$860,528	$700,466	$426,962	$551,282	$386,687	$406,889	$427,868								$6,109,163
$1,125,355								$36,763,755	$2,348,483	$860,528	$700,466	$426,962	$551,282	$386,687	$406,889	$427,868	$450,142							$6,559,305
$1,125,355	$1,184,278							$37,948,033	$2,348,483	$860,528	$700,466	$426,962	$551,282	$386,687	$406,889	$427,868	$450,142	$473,711						$7,033,016
$1,125,355	$1,184,278	$1,245,790						$23,537,273		$860,528	$700,466	$426,962	$551,282	$386,687	$406,889	$427,868	$450,142	$473,711	$498,316					$5,182,849
$1,125,355	$1,184,278	$1,245,790	$1,310,540					$19,110,963			$700,466	$426,962	$551,282	$386,687	$406,889	$427,868	$450,142	$473,711	$498,316	$524,216				$4,846,538
$1,125,355	$1,184,278	$1,245,790	$1,310,540	$1,378,528				$15,819,720				$426,962	$551,282	$386,687	$406,889	$427,868	$450,142	$473,711	$498,316	$524,216	$551,411			$4,697,483
$1,125,355	$1,184,278	$1,245,790	$1,310,540	$1,378,528	$1,450,400			$14,423,710					$551,282	$386,687	$406,889	$427,868	$450,142	$473,711	$498,316	$524,216	$551,411	$580,160		$4,850,682
$1,125,355	$1,184,278	$1,245,790	$1,310,540	$1,378,528	$1,450,400	$1,525,510		$12,274,010						$386,687	$406,889	$427,868	$450,142	$473,711	$498,316	$524,216	$551,411	$580,160	$610,204	$4,909,604
$1,125,355	$1,184,278	$1,245,790	$1,310,540	$1,378,528	$1,450,400	$1,525,510	$0	$11,307,293							$406,889	$427,868	$450,142	$473,711	$498,316	$524,216	$551,411	$580,160	$610,204	$0 $4,522,917
$1,125,355	$1,184,278	$1,245,790	$1,310,540	$1,378,528	$1,450,400	$1,525,510	$0	$10,290,070								$427,868	$450,142	$473,711	$498,316	$524,216	$551,411	$580,160	$610,204	$0 $4,116,028
$1,125,355	$1,184,278	$1,245,790	$1,310,540	$1,378,528	$1,450,400	$1,525,510	$0	$9,220,400									$450,142	$473,711	$498,316	$524,216	$551,411	$580,160	$610,204	$0 $3,688,160

Cost / 25-50 HP Out-of-State	Capital Cost Subtotal															25-50 HP Out-of-State Capital Cost Subtotal	25-50 HP Out-of-State Early Retirement										
$5,218,850																$5,218,850	$782,828										
$5,218,850	$1,911,420															$7,130,270	$782,828	$286,713									
$5,218,850	$1,911,420	$1,556,590														$8,686,860	$782,828	$286,713	$233,489								
$5,218,850	$1,911,420	$1,556,590	$947,940													$9,634,800	$782,828	$286,713	$233,489	$142,191							
$5,218,850	$1,911,420	$1,556,590	$947,940	$1,225,070												$10,859,870	$782,828	$286,713	$233,489	$142,191	$183,761						
$5,218,850	$1,911,420	$1,556,590	$947,940	$1,225,070	$322,455											$11,182,325	$782,828	$286,713	$233,489	$142,191	$183,761	$128,982					
$5,218,850	$1,911,420	$1,556,590	$947,940	$1,225,070	$322,455	$339,290										$11,521,615	$782,828	$286,713	$233,489	$142,191	$183,761	$128,982	$135,716				
$5,218,850	$1,911,420	$1,556,590	$947,940	$1,225,070	$322,455	$339,290	$356,773									$11,878,388	$782,828	$286,713	$233,489	$142,191	$183,761	$128,982	$135,716	$142,709			
$5,218,850	$1,911,420	$1,556,590	$947,940	$1,225,070	$322,455	$339,290	$356,773	$374,903								$12,253,290	$782,828	$286,713	$233,489	$142,191	$183,761	$128,982	$135,716	$142,709	$149,961		
$5,218,850	$1,911,420	$1,556,590	$947,940	$1,225,070	$322,455	$339,290	$356,773	$374,903	$394,975							$12,648,265	$782,828	$286,713	$233,489	$142,191	$183,761	$128,982	$135,716	$142,709	$149,961	$157,990	
	$1,911,420	$1,556,590	$947,940	$1,225,070	$322,455	$339,290	$356,773	$374,903	$394,975	$415,048						$7,844,463		$286,713	$233,489	$142,191	$183,761	$128,982	$135,716	$142,709	$149,961	$157,990	$166,019
		$1,556,590	$947,940	$1,225,070	$322,455	$339,290	$356,773	$374,903	$394,975	$415,048	$437,063					$6,370,105			$233,489	$142,191	$183,761	$128,982	$135,716	$142,709	$149,961	$157,990	$166,019
			$947,940	$1,225,070	$322,455	$339,290	$356,773	$374,903	$394,975	$415,048	$437,063	$459,725				$5,273,240				$142,191	$183,761	$128,982	$135,716	$142,709	$149,961	$157,990	$166,019
				$1,225,070	$322,455	$339,290	$356,773	$374,903	$394,975	$415,048	$437,063	$459,725	$483,683			$4,808,983					$183,761	$128,982	$135,716	$142,709	$149,961	$157,990	$166,019
					$322,455	$339,290	$356,773	$374,903	$394,975	$415,048	$437,063	$459,725	$483,683	$508,288		$4,092,200						$128,982	$135,716	$142,709	$149,961	$157,990	$166,019
						$339,290	$356,773	$374,903	$394,975	$415,048	$437,063	$459,725	$483,683	$508,288	$0	$3,769,745							$135,716	$142,709	$149,961	$157,990	$166,019
							$356,773	$374,903	$394,975	$415,048	$437,063	$459,725	$483,683	$508,288	$0	$3,430,455								$142,709	$149,961	$157,990	$166,019
								$374,903	$394,975	$415,048	$437,063	$459,725	$483,683	$508,288	$0	$3,073,683									$149,961	$157,990	$166,019

				25-50 HP Out-of-State	Early Retirement Cost Subtotal	25-50 HP Gen Sets CA-based															25-50 HP Gen Sets CA-based	Capital Cost Subtotal	25-50 HP Gen Sets CA-based				
					$782,828	$790,986																$790,986	$118,648				
					$1,069,541	$790,986	$124,320															$915,306	$118,648	$18,648			
					$1,303,029	$790,986	$124,320	$192,696														$1,108,002	$118,648	$18,648	$28,904		
					$1,445,220	$790,986	$124,320	$192,696	$220,668													$1,328,670	$118,648	$18,648	$28,904	$33,100	
					$1,628,981	$790,986	$124,320	$192,696	$220,668	$242,424												$1,571,094	$118,648	$18,648	$28,904	$33,100	$36,364
					$1,757,963	$790,986	$124,320	$192,696	$220,668	$242,424	$111,370											$1,682,464	$118,648	$18,648	$28,904	$33,100	$36,364
					$1,893,679	$790,986	$124,320	$192,696	$220,668	$242,424	$111,370	$122,378										$1,804,842	$118,648	$18,648	$28,904	$33,100	$36,364
					$2,036,388	$790,986	$124,320	$192,696	$220,668	$242,424	$111,370	$122,378	$135,328									$1,940,169	$118,648	$18,648	$28,904	$33,100	$36,364
					$2,186,349	$790,986	$124,320	$192,696	$220,668	$242,424	$111,370	$122,378	$135,328	$148,925								$2,089,094	$118,648	$18,648	$28,904	$33,100	$36,364
					$2,344,339	$790,986	$124,320	$192,696	$220,668	$242,424	$111,370	$122,378	$135,328	$148,925	$164,465							$2,253,559	$118,648	$18,648	$28,904	$33,100	$36,364
					$1,727,530		$124,320	$192,696	$220,668	$242,424	$111,370	$122,378	$135,328	$148,925	$164,465	$180,653						$1,643,226		$18,648	$28,904	$33,100	$36,364
$174,825					$1,615,642			$192,696	$220,668	$242,424	$111,370	$122,378	$135,328	$148,925	$164,465	$180,653	$199,430					$1,718,336			$28,904	$33,100	$36,364
$174,825	$183,890				$1,566,044				$220,668	$242,424	$111,370	$122,378	$135,328	$148,925	$164,465	$180,653	$199,430	$219,503				$1,745,142				$33,100	$36,364
$174,825	$183,890	$193,473			$1,617,326					$242,424	$111,370	$122,378	$135,328	$148,925	$164,465	$180,653	$199,430	$219,503	$242,165			$1,766,639					$36,364
$174,825	$183,890	$193,473	$203,315		$1,636,880						$111,370	$122,378	$135,328	$148,925	$164,465	$180,653	$199,430	$219,503	$242,165	$266,770		$1,790,985					
$174,825	$183,890	$193,473	$203,315	$0	$1,507,898							$122,378	$135,328	$148,925	$164,465	$180,653	$199,430	$219,503	$242,165	$266,770	$0	$1,679,615					
$174,825	$183,890	$193,473	$203,315	$0	$1,372,182								$135,328	$148,925	$164,465	$180,653	$199,430	$219,503	$242,165	$266,770	$0	$1,557,238					
$174,825	$183,890	$193,473	$203,315	$0	$1,229,473									$148,925	$164,465	$180,653	$199,430	$219,503	$242,165	$266,770	$0	$1,421,910					

25-50 HP Gen Sets CA-based | Capital Cost Subtotal | 25-50 HP Gen Sets CA-based | Early Retirement | 25-50 HP Gen Sets CA-based | Early Retirement Cost Subtotal | 25-50 HP Gen Sets Out-of-State | **Capital Cost S**

											$118,648	$264,180																$264,180	$39,627
											$137,296	$264,180	$41,958															$306,138	$39,627
											$166,200	$264,180	$41,958	$63,714														$369,852	$39,627
											$199,301	$264,180	$41,958	$63,714	$73,038													$442,890	$39,627
											$235,664	$264,180	$41,958	$63,714	$73,038	$80,808												$523,698	$39,627
$44,548											$280,212	$264,180	$41,958	$63,714	$73,038	$80,808	$36,908											$560,606	$39,627
$44,548	$48,951										$329,163	$264,180	$41,958	$63,714	$73,038	$80,808	$36,908	$40,793										$601,398	$39,627
$44,548	$48,951	$54,131									$383,294	$264,180	$41,958	$63,714	$73,038	$80,808	$36,908	$40,793	$45,325									$646,723	$39,627
$44,548	$48,951	$54,131	$59,570								$442,864	$264,180	$41,958	$63,714	$73,038	$80,808	$36,908	$40,793	$45,325	$49,858								$696,581	$39,627
$44,548	$48,951	$54,131	$59,570	$65,786							$508,650	$264,180	$41,958	$63,714	$73,038	$80,808	$36,908	$40,793	$45,325	$49,858	$55,038							$751,618	$39,627
$44,548	$48,951	$54,131	$59,570	$65,786	$72,261						$462,263		$41,958	$63,714	$73,038	$80,808	$36,908	$40,793	$45,325	$49,858	$55,038	$60,218						$547,656	
$44,548	$48,951	$54,131	$59,570	$65,786	$72,261	$79,772					$523,387			$63,714	$73,038	$80,808	$36,908	$40,793	$45,325	$49,858	$55,038	$60,218	$66,693					$572,390	
$44,548	$48,951	$54,131	$59,570	$65,786	$72,261	$79,772	$87,801				$582,284				$73,038	$80,808	$36,908	$40,793	$45,325	$49,858	$55,038	$60,218	$66,693	$73,168				$581,844	
$44,548	$48,951	$54,131	$59,570	$65,786	$72,261	$79,772	$87,801	$96,866			$646,050					$80,808	$36,908	$40,793	$45,325	$49,858	$55,038	$60,218	$66,693	$73,168	$80,938			$589,743	
$44,548	$48,951	$54,131	$59,570	$65,786	$72,261	$79,772	$87,801	$96,866	$106,708		$716,394						$36,908	$40,793	$45,325	$49,858	$55,038	$60,218	$66,693	$73,168	$80,938	$88,708		$597,643	
	$48,951	$54,131	$59,570	$65,786	$72,261	$79,772	$87,801	$96,866	$106,708	$0	$671,846							$40,793	$45,325	$49,858	$55,038	$60,218	$66,693	$73,168	$80,938	$88,708	$0	$560,735	
		$54,131	$59,570	$65,786	$72,261	$79,772	$87,801	$96,866	$106,708	$0	$622,895								$45,325	$49,858	$55,038	$60,218	$66,693	$73,168	$80,938	$88,708	$0	$519,943	
			$59,570	$65,786	$72,261	$79,772	$87,801	$96,866	$106,708	$0	$568,764									$49,858	$55,038	$60,218	$66,693	$73,168	$80,938	$88,708	$0	$474,618	

25-50 HP Gen Sets CA-based

Capital Cost Subtotal

25-50 HP Gen Sets CA-based

Early Retirement

25-50 HP Gen Sets CA-based

Early Retirement Cost Subtotal

25-50 HP Gen Sets Out-of-State

Capital Cost Sub

															$39,627	$1,396,010													
$6,294															$45,921	$1,396,010	$230,510												
$6,294	$9,557														$55,478	$1,396,010	$230,510	$243,460											
$6,294	$9,557	$10,956													$66,434	$1,396,010	$230,510	$243,460	$259,000										
$6,294	$9,557	$10,956	$12,121												$78,555	$1,396,010	$230,510	$243,460	$259,000	$271,950									
$6,294	$9,557	$10,956	$12,121	$14,763											$93,318	$1,396,010	$230,510	$243,460	$259,000	$271,950	$71,225								
$6,294	$9,557	$10,956	$12,121	$14,763	$16,317										$109,635	$1,396,010	$230,510	$243,460	$259,000	$271,950	$71,225	$75,110							
$6,294	$9,557	$10,956	$12,121	$14,763	$16,317	$18,130									$127,765	$1,396,010	$230,510	$243,460	$259,000	$271,950	$71,225	$75,110	$78,995						
$6,294	$9,557	$10,956	$12,121	$14,763	$16,317	$18,130	$19,943								$147,708	$1,396,010	$230,510	$243,460	$259,000	$271,950	$71,225	$75,110	$78,995	$82,880					
$6,294	$9,557	$10,956	$12,121	$14,763	$16,317	$18,130	$19,943	$22,015							$169,723	$1,396,010	$230,510	$243,460	$259,000	$271,950	$71,225	$75,110	$78,995	$82,880	$87,413				
$6,294	$9,557	$10,956	$12,121	$14,763	$16,317	$18,130	$19,943	$22,015	$24,087						$154,183		$230,510	$243,460	$259,000	$271,950	$71,225	$75,110	$78,995	$82,880	$87,413	$91,945			
	$9,557	$10,956	$12,121	$14,763	$16,317	$18,130	$19,943	$22,015	$24,087	$26,677					$174,566			$243,460	$259,000	$271,950	$71,225	$75,110	$78,995	$82,880	$87,413	$91,945	$96,478		
		$10,956	$12,121	$14,763	$16,317	$18,130	$19,943	$22,015	$24,087	$26,677	$29,267				$194,276				$259,000	$271,950	$71,225	$75,110	$78,995	$82,880	$87,413	$91,945	$96,478	$101,658	
			$12,121	$14,763	$16,317	$18,130	$19,943	$22,015	$24,087	$26,677	$29,267	$32,375			$215,695					$271,950	$71,225	$75,110	$78,995	$82,880	$87,413	$91,945	$96,478	$101,658	$106,838
				$14,763	$16,317	$18,130	$19,943	$22,015	$24,087	$26,677	$29,267	$32,375	$35,483		$239,057						$71,225	$75,110	$78,995	$82,880	$87,413	$91,945	$96,478	$101,658	$106,838
					$16,317	$18,130	$19,943	$22,015	$24,087	$26,677	$29,267	$32,375	$35,483	$0	$224,294							$75,110	$78,995	$82,880	$87,413	$91,945	$96,478	$101,658	$106,838
						$18,130	$19,943	$22,015	$24,087	$26,677	$29,267	$32,375	$35,483	$0	$207,977								$78,995	$82,880	$87,413	$91,945	$96,478	$101,658	$106,838
							$19,943	$22,015	$24,087	$26,677	$29,267	$32,375	$35,483	$0	$189,847									$82,880	$87,413	$91,945	$96,478	$101,658	$106,838

			25-50 HP Gen Sets CA-based		Capital Cost Subtotal		25-50 HP Gen Sets CA-based		Early Retirement												25-50 HP Gen Sets CA-based	Early Retirement Cost Subtotal	25-50 HP Gen Sets Out-of-State	Ca
		$1,396,010	$209,402																$209,402	**$19,101,626**	$2,865,244		**$2,865,244**	$16,236,382
		$1,626,520	$209,402	$34,577															$243,978	**$25,698,794**	$3,854,819		**$3,854,819**	$21,843,975
		$1,869,980	$209,402	$34,577	$36,519														$280,497	**$31,260,615**	$4,689,092		**$4,689,092**	$26,571,523
		$2,128,980	$209,402	$34,577	$36,519	$38,850													$319,347	**$34,996,327**	$5,249,449		**$5,249,449**	$29,746,878
		$2,400,930	$209,402	$34,577	$36,519	$38,850	$40,793												$360,140	**$37,692,762**	$5,653,914		**$5,653,914**	$32,038,848
		$2,472,155	$209,402	$34,577	$36,519	$38,850	$40,793	$28,490											$388,630	**$37,083,783**	$5,384,680	$474,366	**$5,859,046**	$31,224,737
		$2,547,265	$209,402	$34,577	$36,519	$38,850	$40,793	$28,490	$30,044										$418,674	**$36,509,020**	$5,128,267	$928,229	**$6,056,496**	$30,452,524
		$2,626,260	$209,402	$34,577	$36,519	$38,850	$40,793	$28,490	$30,044	$31,598									$450,272	**$35,967,474**	$4,884,064	$1,362,819	**$6,246,883**	$29,720,591
		$2,709,140	$209,402	$34,577	$36,519	$38,850	$40,793	$28,490	$30,044	$31,598	$33,152								$483,424	**$35,456,955**	$4,651,489	$1,778,810	**$6,430,300**	$29,026,655
		$2,796,553	$209,402	$34,577	$36,519	$38,850	$40,793	$28,490	$30,044	$31,598	$33,152	$34,965							$518,389	**$34,977,749**	$4,429,990	$2,177,793	**$6,607,783**	$28,369,966
		$1,492,488		$34,577	$36,519	$38,850	$40,793	$28,490	$30,044	$31,598	$33,152	$34,965	$36,778						$345,765	**$20,951,793**	$2,182,763	$2,541,722	**$4,724,484**	$16,227,309
		$1,358,455			$36,519	$38,850	$40,793	$28,490	$30,044	$31,598	$33,152	$34,965	$36,778	$38,591					$349,780	**$16,711,146**	$1,409,038	$2,927,023	**$4,336,062**	$12,375,085
		$1,216,653				$38,850	$40,793	$28,490	$30,044	$31,598	$33,152	$34,965	$36,778	$38,591	$40,663				$353,924	**$13,558,975**	$804,161	$3,279,160	**$4,083,322**	$9,475,654
		$1,064,490					$40,793	$28,490	$30,044	$31,598	$33,152	$34,965	$36,778	$38,591	$40,663	$42,735			$357,809	**$11,856,486**	$421,857	$3,617,642	**$4,039,499**	$7,816,987
$112,665		$905,205						$28,490	$30,044	$31,598	$33,152	$34,965	$36,778	$38,591	$40,663	$42,735	$45,066		$362,082	**$9,857,318**		$3,942,927	**$3,942,927**	$5,914,391
$112,665	$0	$833,980							$30,044	$31,598	$33,152	$34,965	$36,778	$38,591	$40,663	$42,735	$45,066	$0	$333,592	**$8,811,079**		$3,524,432	**$3,524,432**	$5,286,648
$112,665	$0	$758,870								$31,598	$33,152	$34,965	$36,778	$38,591	$40,663	$42,735	$45,066	$0	$303,548	**$410,491,902**	$51,608,828	$26,554,924	**$78,163,752**	**$332,328,150**
$112,665	$0	$679,875									$33,152	$34,965	$36,778	$38,591	$40,663	$42,735	$45,066	$0	$271,950					