

NIST BLCC 5.3-20: Lowest LCC

Consistent with Federal Life Cycle Cost Methodology and Procedures, 10 CFR, Part 436, Subpart A

General Information

File Name:	C:\Users\jkneifel\BLCC5.3-2020\projects\FEMPEnergy.xml
Date of Study:	Tue Sep 01 08:51:20 EDT 2020
Analysis Type:	FEMP Analysis, Energy Project
Project Name:	Heating/Cooling System
Project Location:	District of Columbia
Analyst:	Courtney Mayer
Comment:	Replacement of Baseboard/ AC System with Heat Pump in Park Service House
Base Date:	April 1, 2020
Service Date:	April 1, 2020
Study Period:	15 years 0 months (April 1, 2020 through March 31, 2035)
Discount Rate:	3%
Discounting Convention:	End-of-Year

Lowest LCC

Comparative Present-Value Costs of Alternatives
(Shown in Ascending Order of Initial Cost, * = Lowest LCC)

Alternative	Initial Cost (PV)	Life Cycle Cost (PV)
Existing System	\$1,500	\$16,539
New System	\$3,000	\$13,845 *