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Titolo	Byzantina / Aristoteleio Panepistímio Thessalonikís ; Centre d'études byzantines (Thessalonique, Grèce)
Pubbl/distr/stampa	1 (1969)- . Thessaloniki, : Center for Byzantine studies of the School of Philosophy, University of Thessaloniki, 1969
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Pubbl/distr/stampa	Washington, D.C., : National Academy Press, 2001
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Nota di contenuto

SUSTAINABLE FEDERAL FACILITIES -- Copyright -- Contents -- Executive Summary -- BACKGROUND -- PROBLEM STATEMENT AND STUDY OBJECTIVE -- FRAMEWORK FOR ACQUIRING SUSTAINABLE FACILITIES -- Format -- Documenting Objectives, Decisions, and Assumptions -- Integrated Project Team Approach -- Performance Measures -- ISSUES -- ONLINE RESOURCES -- 1 Introduction -- PROBLEM STATEMENT AND STUDY OBJECTIVE -- STUDY PROCESS -- REPORT ORGANIZATION -- GOVERNMENT-WIDE GUIDANCE -- Sustainable Development -- Defining Sustainable Development -- Laws and Executive Orders -- Value Engineering -- Life-Cycle Costing -- USING LIFE-CYCLE COSTING WITH VALUE ENGINEERING -- REFERENCES -- 2 Facility Life Cycles and the Acquisition Process -- FACILITY LIFE CYCLES -- FACILITY ACQUISITION -- Requirements Assessment -- Conceptual Planning -- Programming and Budgeting -- Design -- Construction -- Start-up -- REFERENCES -- 3 Framework for Acquiring Sustainable Facilities -- FORMAT -- DOCUMENTING OBJECTIVES, DECISIONS, AND ASSUMPTIONS -- INTEGRATED PROJECT TEAM APPROACH -- PERFORMANCE MEASURES -- FRAMEWORK -- Requirements Assessment Phase -- Conceptual Planning Phase -- Siting Considerations -- Energy Considerations -- Materials Considerations -- Water Considerations -- Indoor Environmental Quality Considerations -- Operation and Maintenance Considerations -- Value Engineering/Life-Cycle Cost Analysis -- Programming/Budgeting Phase -- Design Phase -- Contract Considerations -- Siting Considerations -- Energy Considerations -- Materials Considerations -- Water Considerations -- Indoor Environmental Quality Considerations -- Operations and Maintenance Considerations -- Value Engineering and Life-Cycle Costing Study -- Construction Phase -- Siting Considerations -- Energy Considerations -- Materials Considerations -- Water Considerations -- Indoor Environmental Quality Considerations.
Operation and Maintenance Considerations -- Value Engineering and Life-Cycle Cost Analysis -- Start-Up Phase -- Post-Start-Up: Operation and Maintenance of the Facility -- REFERENCE -- 4 Issues -- FIRST COSTS, LIFE-CYCLE COSTS, AND SUSTAINABLE DEVELOPMENT -- MASTER SPECIFICATIONS AND GUIDEBOOKS -- PERFORMANCE STANDARDS FOR SUSTAINABLE FACILITIES -- INDENTIFYING ENVIRONMENTALLY PREFERABLE PRODUCTS -- LESSONS LEARNED -- REFERENCE -- 5 Online Resources -- SUSTAINABLE DEVELOPMENT AND VALUE ENGINEERING -- Federal Agency Sites -- Government-wide Guidance -- Other Sites -- PERFORMANCE STANDARDS FOR SUSTAINABLE FACILITIES -- ENVIRONMENTALLY PREFERABLE PRODUCTS -- LESSONS LEARNED -- INDEX -- APPENDIX A Executive Order 13123 -- APPENDIX B Executive Order 13101 -- APPENDIX C Executive Order 13148 -- APPENDIX D Office of Management and Budget Circular A-131 -- APPENDIX E Public Law 104-106, Section 4306 Value Engineering for Federal Agencies -- APPENDIX F Federal Acquisition Regulation Parts 48 and 52 Re: Value Engineering.

Sommario/riassunto

In the late 1990s, several of the sponsor agencies of the Federal Facilities Council began developing and implementing initiatives and policies related to sustainable development. Guidance related to life-cycle costing and value engineering was recognized as being supportive of sustainable development, in particular when used in the conceptual planning and design phases of acquisition, where decisions are made that substantially effect the ultimate performance of a building over its life cycle. However, specific concerns were raised that when federal agencies apply value engineering in the final stages of design or during construction in response to cost overruns, design

features that support sustainable development may be eliminated. The primary objective of this study, therefore, was to develop a framework to show how federal agencies can use value engineering and life-cycle costing to support sustainable development for federal facilities and meet the objectives of Executive Order 13123.