eProcurement Systems: Key Mechanisms for Sustainable Acquisition

EMPOWER PROCUREMENT

ProspectSV

BERKELEY LAB

Energy Solutions

ZNE/Alliance

STATE OF CALIFORNIA ENERGY COMMISSION

eProcurement

- Invoice and Approval Process
- Supplier Management
- eCatalogs /Punchout Catalogs
- Contract Management
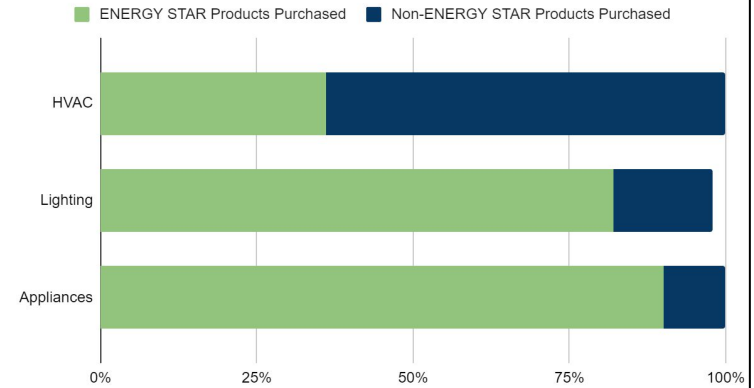- Analytics and Reporting
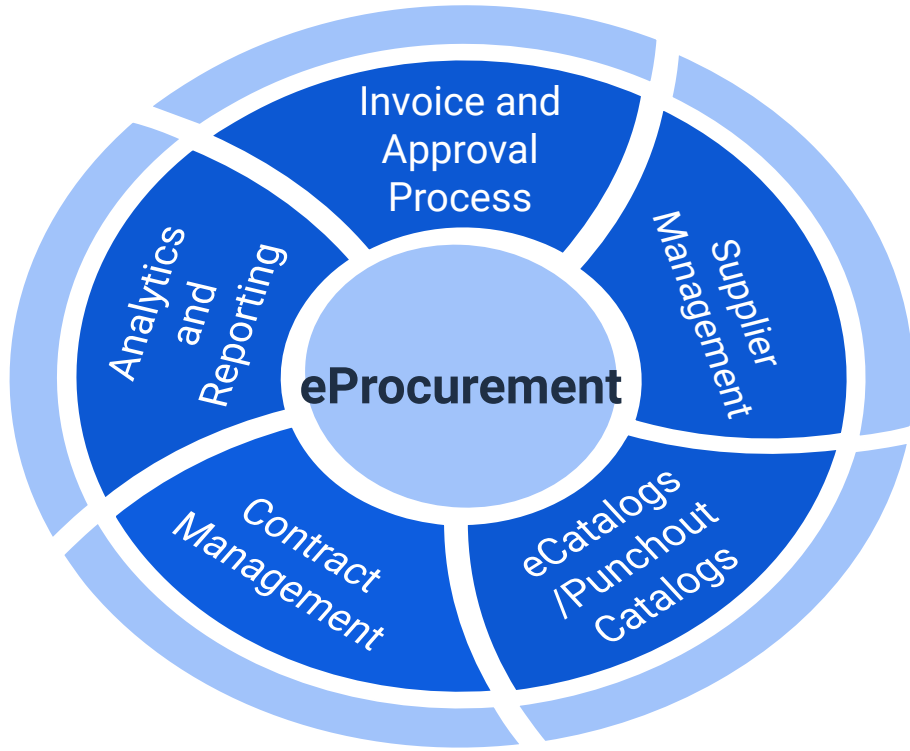
Electronic procurement systems, also known as e-procurement systems, allow for the requisitioning, ordering and purchasing of goods and services online.

Working Group Focus

eProcurement

- Invoice and Approval Process
- Supplier Management
- Contract Management
- eCatalogs/Punchout Catalogs
- Analytics and Reporting
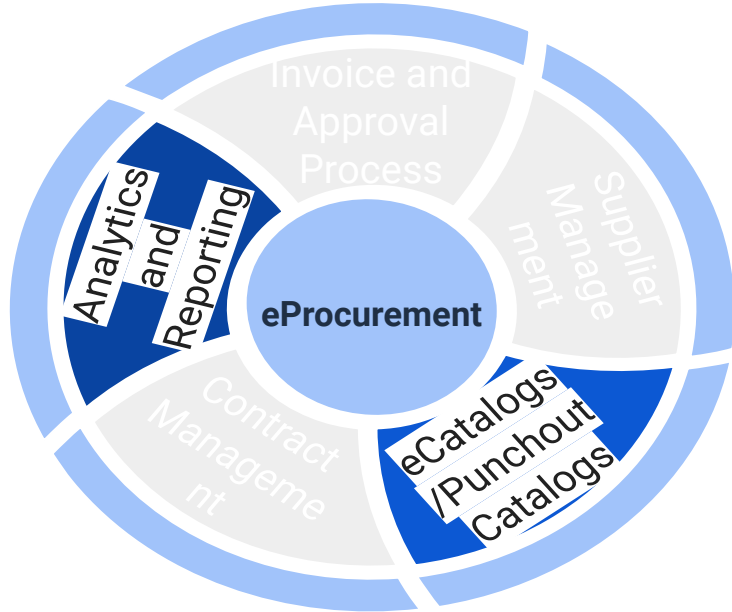
FY 21 ENERGY STAR Products Purchased Report

Legend: ■ ENERGY STAR Products Purchased ■ Non-ENERGY STAR Products Purchased

- HVAC
- Lighting
- Appliances

(0% — 25% — 50% — 75% — 100%)

Analytics & Reporting

HP Chromebook 11 G4 11.6 Inch Laptop
★★★★☆ 405
🌿 Climate Pledge Friendly

Climate Pledge Friendly ✕
Climate Pledge Friendly uses sustainability certifications to highlight products that support our commitment to help preserve the natural world. Time is fleeting. Learn more

Product Certification (1)
EPEAT EPEAT

...Model) 11

FREE delivery Jan 26 - 30
Or fastest delivery **Thu, Jan 26**
🌿 Climate Pledge Friendly
More Buying Choices
$90.99 (36 used & new offers)

E-Catalogs

Goal

Electronic procurement systems will allow the successful acquisition and reporting of sustainable products by default.

Brand Name	HP
Eco-Conscious	Energy Efficient; Helps Avoid Waste; Recycling Solution
Eco Label Standard	Energy Star
Manufacturer	HP INC.
Post Consumer Recycled Content Percentage	0 %
Product Type	Toner Cartridge
Total Recycled Content Percentage	14 %

Post Consumer Recycled Content Percentage	20 %
Product Type	Preprinted Tab Divider
Total Recycled Content Percentage	0 %

Lack of standardization

Verification of environmental product attributes

Verified data

Inability to Sort or Filter Catalogs by Ecolabel

Challenges to request sustainable products that do not have relevant labels

Lack of access to accurate certifications

Challenges with...

Insufficient product information to calculate impact of purchases

Inaccurate information leads to inaccurate reporting

Lack of standardization across procurement categories leads to inability to roll up data on all purchases made

Lack of staff training

Prohibitive costs

How to choose the "best" e-procurement system

Buyers/System Users	Vendors	Product Manufacturers	Electronic Procurement Systems	Environmental Certifiers and Certification Data Aggregators (CDAs)
• Contracting Officers	• Amazon	• Apple	• COUPA	• Energy Star
• Procurement Officials	• Staples	• Samsung	• SAP	• BioPreferred Program (USDA)
• P-Card Holders	• Office Depot	• Carrier	• Oracle	• UL Spot
	• Grainger	• Toyota	• Workday	• Ecomedes

- Can help to...
  - Express market need for specified features
  - Give guidance to users who may want to implement sustainable features but don't know where to start

What You Want	What To Request
Product Specific ID	For all products, define the manufacturer product number and UPC number. Do not change to only SKU #'s or any ID that can easily change
Ability to tag products	Build filtering options that allow item tagging by user desired fields. Examples include product certification, most efficient, etc.
Searching and Filtering Options	Allow buyers to search for items by using multiple filters (E.g. Energy Star Certified and Organizations Preferred Product List)
Ability to block items	Limit offerings to products that meet organizations specifications by blocking non-compliant options or allowing the buyer to block non-compliant options
Sustainable Procurement Reports	Create reporting capabilities that allow system users to define what information they would like contained in reports e.g. carbon footprint, water use, energy use, social impact, etc.

https://empowerprocurement.com/wp-content/uploads/2022/09/E-Procurement-Communications-Guidance.pdf

Resources:

Capstone Presentation:
https://www.dropbox.com/s/r7zc8maymx1a4wc/GMT20230126-200219_Recording.cutfile.20230202221121139_gallery_2560x1440.mp4?dl=0

Communication Guidance:
https://empowerprocurement.com/wp-content/uploads/2022/09/E-Procurement-Communications-Guidance.pdf

Contracting Language:
https://empowerprocurement.com/initiatives/contracting/sample-language-library/

Policy Paper:
https://empowerprocurement.com/wp-content/uploads/2022/09/The-Policy-Mullet-Good-Intentions-in-Front-Bad-Policy-in-Back.pdf

LBNL Website: https://so.lbl.gov/federal-energy-efficient-product-procurement