



PAY-AS-YOU-THROW (PAYT) RESOURCES COMPILATION

This resource compilation was developed by NRDC (Natural Resources Defense Council) and the Environmental Law Institute (ELI) to accompany NRDC’s and ELI’s [Model Ordinance Establishing a Pay-As-You-Throw Program for Residential Municipal Solid Waste](#). The compilation is intended to help municipal staff and stakeholders find background information that will help them design and implement effective PAYT programs tailored to their local circumstances. Resources in the compilation are organized by issuing organization (government and nongovernment, the latter including nonprofits, academia, and some private companies). While this compilation does not purport to be exhaustive, the resources included here were selected on the basis of extensive best practices research and are intended to address a wide array of considerations related to PAYT. Ten “Key Topics and Tools” checkboxes are provided to help readers determine which resource(s) may best suit their needs.

Issuing Organization	Date	Title	Description	Key Topics and Tools									
				Rate Structure Design	Program/ Administrative Costs	Program Design (e.g., container type)	Education/ Public Outreach	Enforcement	Equity Concerns, Including Low-Income Burden	Illegal Dumping	Multifamily Units	Model/Sample Ordinance Language	Case Studies
GOVERNMENT SOURCES (FEDERAL, STATE)													
US EPA	N.d. (website last updated 2016)	PAYT Toolkit	A collection of resources for local officials interested in implementing PAYT that includes public outreach materials and a guidebook, <i>Pay-As-You-Throw: Lessons Learned About Unit Pricing</i> .	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
US EPA	1999	Rate Structure Design: Setting Rates for a Pay-As-You-Throw Program	A booklet that helps decision makers understand and work through different approaches to developing a PAYT price structure.	✓	✓	✓							✓
US EPA	1997	Pay-As-You-Throw Success Stories	A series of case studies on how communities have developed various types of PAYT programs, highlighting successful implementation strategies.				✓						✓

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US EPA	N.d. (website last updated 2016)	Education and Outreach	A webpage that outlines PAYT residential outreach information and communication techniques.				✓							
US EPA	N.d. (website last updated 2016)	Special Populations	A webpage on PAYT considerations and mechanisms for accommodating elderly, low-income, English-limited, and transient populations.				✓		✓					
US EPA	N.d. (webpage last updated 2022)	Examples and Resources for Transforming Waste Streams in Communities: Pay-As-You-Throw (PAYT)	A webpage that lists ways for communities to manage their waste streams, including a section on PAYT (Measure #16) with compiled resources and case studies.											✓
Connecticut Department of Environmental Protection	2004	SMART (Pay-As-You-Throw) Implementation Handbook	A handbook for municipal officials on PAYT program design, implementation, and public education.	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓
Connecticut Department of Environmental Protection	N.d. (webpage last updated 2021)	Success Stories & Case Studies to Learn From	A webpage with four local PAYT case studies that address program history, implementation, and waste reduction results.											✓
Massachusetts Department of Environmental Protection	2004	Pay-As-You-Throw: An Implementation Guide for Solid Waste Unit-Based Pricing Programs	A guide for local decision makers that explains the process of planning, developing, and implementing unit-based pricing, with emphasis on successful strategies in Massachusetts communities.	✓	✓	✓	✓		✓	✓	✓	✓		✓
Vermont Agency of Natural Resources	2015	Variable Rate Pricing (aka unit-based pricing) Guide and Sample Ordinance for Municipalities	A guide that explains Vermont's legal requirement for municipalities to implement PAYT and outlines guidance for municipalities, including sample ordinances.	✓	✓	✓	✓		✓	✓			✓	

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NONGOVERNMENTAL ORGANIZATIONS AND OTHER PRIVATE SECTOR SOURCES														
BioCycle/ Institute for Local Self-Reliance (ILSR)	2018	PAYT Paves Way to Zero Waste	A summary of an ILSR study on PAYT programs that highlights lessons learned on program implementation and management.	✓	✓					✓	✓			✓
CIF Centre of Excellence	N.d.	Collection Policies: Pay-As-You-Throw	A guide that discusses different PAYT structures, options for implementation, and enforcement approaches as well as suggestions for program promotion and outreach.	✓		✓	✓	✓			✓			✓
Citizens Budget Commission	2015	A Better Way to Pay for Solid Waste Management	A policy brief that discusses PAYT benefits and challenges, financing practices for residential trash services, and options for structuring a new solid waste financing model.	✓	✓	✓				✓	✓	✓		✓
Cornell Waste Management Institute	2000	Roundtable Four: Pay As You Throw for Large Municipalities	A report that discusses PAYT programs in large cities including Austin, San Francisco, and Seattle.	✓	✓		✓	✓		✓	✓	✓		✓
Econservation Institute	2015	Pay-As-You-Throw/ Variable Rates for Trash Collection: 2014 Update. Volume 1 of 2: Executive Summary and Key Results	The first of two reports that offers an in-depth examination of PAYT, including a national survey of PAYT programs, case studies, and discussion of implementation considerations.	✓	✓	✓	✓	✓		✓	✓	✓		✓
Econservation Institute	2015	Pay-As-You-Throw/ Variable Rates / Recycle & Save for Trash Collection. Volume 2 of 2: Webinars and Community Assistance	The second of two reports that includes presentation slides, surveys, rate calculations, implementation plans, and reporting for PAYT systems.	✓	✓		✓	✓			✓			✓
Natural Resources Council of Maine	N.d.	Pay As You Throw Toolkit	A toolkit that includes information on PAYT benefits, a database of Maine PAYT programs, sample ordinances (Portland and Brunswick), and sample warrant articles that can be put to a vote at a town meeting.										✓	✓

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Northeast Waste Management Officials' Association (NEWMOA)	N.d.	Save Money and Reduce Trash (SMART)	A webpage on the NEWMOA-sponsored SMART (Save Money and Reduce Trash) Project that includes a report, outreach and presentation materials, 11 short case studies of rural New England communities, and a toolkit for rural communities with SMART program implementation resources.	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Recycling Foundation	N.d.	PayAsYouThrow.org	A comprehensive website that describes different structures of PAYT and compiles resources, including publications, case studies, and best practices.	✓	✓	✓	✓	✓	✓	✓			✓
Pay-As-You-Throw Now	2014	Fair Pricing Strategies for Trash in the Upper Valley Lake Sunapee Region	A description of how PAYT works and the experiences of local communities, as well as implementation advice.		✓	✓							✓
Pay-As-You-Throw Now	N.d.	PAYT Peer Match Tool	A tool that employs demographic and other information to help users identify peer communities with PAYT programs and obtain information about program design and implementation. (Note: This tool is available only to municipal officials.)	✓						✓		✓	✓
Reason Public Policy Institute	2002	Variable-Rate or "Pay-As-You-Throw" Waste Management: Answers to Frequently Asked Questions	A paper that discusses the most effective PAYT programs, common implementation concerns, program administration difficulties, and strategies to garner support for PAYT.	✓	✓	✓	✓		✓	✓	✓		
REthinkWaste (European Union)	N.d.	PAYT and KAYT Catalogue: Collection of Experiences About Pay As You Throw (PAYT) and Know As You Throw (KAYT)	A catalogue for local and regional waste management practitioners that presents a compilation of PAYT resources and awareness-raising practices.										✓

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NONGOVERNMENTAL ORGANIZATIONS AND OTHER PRIVATE SECTOR SOURCES														
Skumatz Economic Research Associates, Inc. (SERA)	2008	Increasing Recycling Now! Implementing Recycling and Pay As You Throw (PAYT) Ordinances, Legislation, or Contracting Practical Guide and Model Language	A paper that provides information and model language to support implementing PAYT at the local and/or state level, including a model ordinance and state law.										✓	
Skumatz Economic Research Associates, Inc. (SERA)	2006	Pay As You Throw (PAYT) in the US: 2006 Update and Analyses, Final Report	A summary of major PAYT research results, suggested strategies for increasing PAYT implementation across the United States, and case studies.	✓		✓	✓		✓	✓	✓			✓
Waste Advantage Magazine	2014	Best Practices for Pay-As-You-Throw: 1. Understanding the Options 2. Planning for Implementation 3. Implementation	A three-part series detailing various options for PAYT, key planning steps, success factors, and common pitfalls.	✓	✓	✓	✓	✓		✓				