



LONG BEACH *New York*

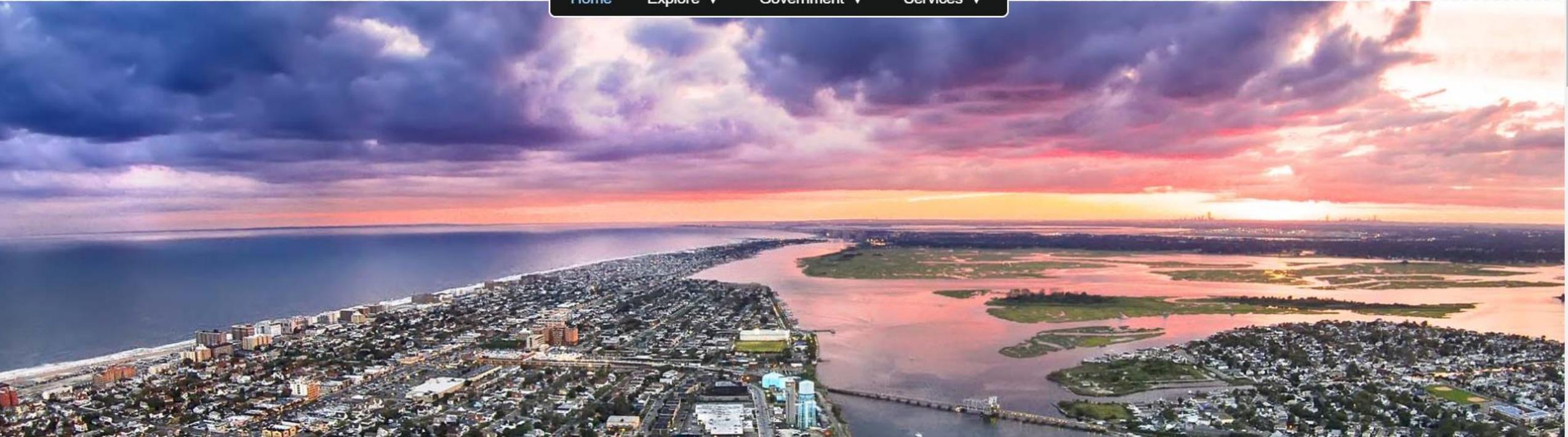
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Draft Local Solid Waste Management Plan 2019-2028

Public Hearing

October 22, 2019

Agenda

- Background/Regulatory requirements
- Summary of Draft LSWMP
- Next Steps
- Public Comments



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Background/Regulatory Requirements

- In accordance with NYSDEC regulations, municipalities are required to develop a LSWMP for 10 year planning periods
- Prior plans were developed in 1988, 1997 and 2015
- Current Draft LSWMP prepared in accordance with 6NYCRR Part 366-2
- Draft LSWMP presents:
 - Current solid waste programs provided to residents and businesses
 - Waste handling facilities operating within the City
 - Waste types and other waste sources, including biosolids
 - Solid waste and recycling quantities from previous 10-years and projections for the 10 year planning period
 - Strategies and schedule for enhancing reduction, reuse and recycling within the City
- Part 366-3.1 requires public notification and soliciting public input

Draft LSWMP Contents

- Executive Summary
- Introduction and Planning Unit Description
- Solid Waste Generation and Disposal
- Solid Waste Projections
- Education and Technology Evaluation
- Implementation Plan and Schedule
- Conclusions
- Supporting Appendices

Solid Waste Generation

- NYS *Beyond Waste* report (December 2010) identifies a disposal rate goal (state-wide) of 0.6 lb/capita/day municipal solid waste (MSW) by the year 2030. [does not include C&D debris, biosolids or industrial waste]
 - City of Long Beach 2017 = 3.1 lb/capita/day
- City waste and recyclable materials are collected by City and by private carters
- Biosolids generated at the WWTP, dewatered and hauled to landfill
- Construction and demolition debris –
 - Long Beach transfer station for municipal operations only
 - Residents contract with private companies
- Scrap metal (bulky) collection
- Food Scraps – no City-wide program
- Yard Waste – no City-wide program
- Household Hazardous waste – Town sponsored S.T.O.P. program
- Motor oil, auto batteries, tires and anti-freeze
- E-cycling
- Non-hazardous industrial and institutional waste stream

Solid Waste Facilities

| Facility | Location | Type of Waste Disposal | Size/Capacity | Regulatory Status | Ownership (Public or Private) | Expected Life |
|--|----------------|---------------------------|---------------------|-------------------|-------------------------------|---------------|
| Merrick Transfer Station | Merrick, NY | MSW | 1,000 tons/day | Permitted | Public | N/A |
| Covanta Waste-to-Energy Facility | Westbury, NY | MSW | 2,505 tons/day | Permitted | Private | N/A |
| Greentree Landfill | Kersey, PA | Biosolids | 5,500 tons/day | Permitted | Private | 2048 |
| Sanitary District #1 Transfer Station | Lawrence, NY | Single Stream Recyclables | 400 cubic yards/day | Permitted | Public | N/A |
| Long Beach Recycling Transfer Station | Long Beach, NY | C&D Debris | 12,500 tons/day | Registration | Public | N/A |

Solid Waste Stream Disposal Paths

| Waste Stream | 2017 Tons (as collected by City) | End Use |
|---------------------------------|----------------------------------|---|
| MSW Disposed | 18,860 | Incineration/Landfill Disposal of Ash |
| Single Stream Recyclables | 3,027 | Recycled |
| Scrap Metal | 0 | Recycled |
| C&D | 3,506 | Combination Recycle/Incineration/Landfill |
| Biosolids | 318 | Dewatered (20% solids) and Landfilled |
| Food Scraps | 0 | Included in MSW |
| Yard Waste | 0 | Included in MSW and/or left in place |
| Automotive Batteries (estimate) | 0 | Recycled |
| Tires (estimate) | 0 | Recycled |
| HHW (estimate) | 10 | Treated/Incinerated/Disposed HW Landfill |
| Electronic Waste | 0 | Recycled |
| TOTAL | 26,429 | |

Solid Waste Projections

- Population consistent since the 1970s
- MSW trends show a decrease over the previous 10 years (except for 2012/2013 resulting from Superstorm Sandy)
- Biosolids generated remains constant
- Recycling rates have increased since 2015 with single stream recycling
- C&D collection data is sparse
- Scrap metal collection impacted by scavenging
- HHH – data from Town S.T.O.P. program
- Service station collected material – data not collected by City
- Waste collection data and recycling data are used in the NYSDEC model to project the rate of recycling or waste diverted from disposal throughout the 10-year planning period.
 - Projected 2027 recycling rate is **14.4%**
 - Important to note, City reported single stream recyclables in 2017 was 11.8% of the overall waste stream

Assessment of Alternative Waste Management Program Elements

- Education and Outreach
 - Mailings, school programs, civic groups presentations
- Financial Incentives
 - Auto battery & can/bottle rebates, one-time use bag fee
- MSW Reduction
 - Pay-as-you-throw, composting, use of WTE
- Biosolids
 - Dewatering with offsite disposal
- Recycling
 - Curbside collection (residential and commercial), and equipment
 - Drop-off centers, facility such as a materials recovery facility (MRF)
- Organic Waste
 - Provide educational material to residents for 'backyard' composting
 - Commercial waste collected by private carters

Solid Waste Management Plan Potential Improvement & Schedule (10 years)

- Renegotiate waste & biosolids contracts and recycling & C&D contracts
- Explore 'mixed' rate for material collected at boardwalk
- Evaluate change in private carter licensing to require reporting tons collected
- Evaluate mechanism to track disposed motor oil, batteries, tires, etc.
- Evaluate 'Pay-as-you-throw' opportunities
- Increase number of bulky item pick-ups
- Evaluate mechanism to require reporting of C&D debris disposal
- Evaluate mechanism to encourage reuse of C&D debris

Solid Waste Management Plan Potential Improvement & Schedule (10 years) continued

- Continue single stream recycling
- Increase opportunities to recycle at beach (seasonal)
- Add recycling containers in City parks and public events
- Increase E-cycling awareness and provide receptacles
- Evaluate textile recycling
- Evaluate mechanisms to track food waste and target recycling
- Promote residential composting
- Increase education and public awareness programs
- Continue 'Carryout Bag Ordinance' [also NYS-wide ban of single use plastic carryout bags.]

Solid Waste Management Plan Potential Improvement & Schedule (10 years) continued

- Continue to support the Rx take back program
- Improve data collection of recyclables collected
- Advocate for increase DPW staff and budget to support the program improvements
- Evaluate opportunities to collaborate with Town at S.T.O.P. events
- Review existing City Code & Ordinances to improve/encourage participation and reporting
- Evaluate grant opportunities for E-waste program, MSW reduction & recycling programs and recycling capital projects

Next Steps

- 45-day Public Comment Period on the Draft LSWMP closes on November 7, 2019
- All written comments received during the Public Comment period and verbal comments made at this Public Hearing are compiled and responses developed
- Draft LSWMP is updated as required
- Updated Draft LSWMP including comments/responses is provided to NYSDEC for review
- Draft LSWMP formally adopted (Part 366-4.1) by the City as final
- The adopted LSWMP is then provided to NYSDEC
- City implements Plan and reports to NYSDEC as required

Draft LSWMP is Available

- City Hall
 - Department of Public Works
 - Clerk's Office
- Long Beach Public Library
- City's website at www.longbeachny.org
- Written comments accepted through November 7, 2019:
 - City of Long Beach
 - Department of Public Works
 - 4th Floor
 - 1 West Chester Street
 - Long beach, NY 11561