Appendix D

Alternative Technology Evaluation

Program Strategy: 1.1

<u>Title:</u> Waste Reduction Programs (Waste Reduction Policy)

Administrative/Technical Impacts:

Quantitative/Qualitative Impacts on Waste Stream:

The Waste Reduction Policy is expected to reduce select MSW waste volumes by <5% over 10 year planning period.

Types and Sizing of Facilities or Program:

This program would not affect sizing of current facilities and there would be no infrastructure required by the County. Waste reduction allows the facilities within the planning unit to stay the same size; additional space for waste processing is not anticipated to be necessary.

Summary of Cost Data for Evaluation:

A waste reduction policy is not expected to have a measurable cost to the County or residents. Efforts put forth by County staff to implement waste reduction measures are anticipated to be offset by savings on disposal cost and material purchasing.

Impact on Natural Resource Conservation, Energy Production and, Employment:

MSW reduction is expected to conserve natural resources. Energy production and job creation is not anticipated.

Jurisdictional Impacts:

Interest in Participation by Neighboring Planning Units:

This is an internal program and is not anticipated to affect neighboring planning units. However, the County could provide the waste reduction policy as an example to neighboring planning units for implementing a similar program.

Alternatives Available with Participation by Neighboring Planning Units:

Activities associated with this program are not dependent on the participation of neighboring planning units. <u>Recommendations from Neighboring Planning Units:</u>

N/A

Assessment of Environmental Justice Impacts:

According to the NYSDEC Environmental Justice Area Mapper, there are thirty three potential environmental justice areas located in Chautauqua County, in the City of Jamestown and Dunkirk, Town of Brocton, Fredonia, Stockton, Westfield. There is no known or expected environmental justice impact in Chautauqua County associated with waste reduction.

Selected Alternatives Identification:

Reasons for Being Chosen:

This alternative is a low-cost method for promoting waste reduction in accordance with the hierarchy of waste management identified in the State SWMP and the Solid Waste Management Act of 1988.

Expected Quantitative and Qualitative Impacts On:

Waste Reduction:

Expected to reduce MSW volumes by <5%.

Reuse:

Expected to enhance reuse by <5%.

Materials Recovery:

No anticipated impact on materials recovery.

Participation in Recovery Opportunities:

Expected to enhance participation by <5%.

Product Stewardship:

No anticipated impact on product stewardship.

Economic, Administrative, or Partnership Benefits:

Expected to reduce expenses by <5%.

Identification of Administrative, Contractual, and Financial Requirements for Implementation:

The existing administrative, contractual, and financial structure is sufficient to support ongoing and proposed waste reduction activities.

<u>Identification of New or Modified Local Laws, Ordinances, or Regulations Required for Implementation:</u> None at this time.

Program Strategy: 1.2 Title: Waste Reduction Programs (Green Procurement Process) Administrative/Technical Impacts: Quantitative/Qualitative Impacts on Waste Stream: The green procurement process is expected to reduce select MSW waste volumes by <5% over 10 year planning period. Types and Sizing of Facilities or Program: This program would not affect sizing of current facilities and there would be no infrastructure required by the County. Green procurement allows the facilities within the planning unit to stay the same size; additional space for waste processing is not anticipated to be necessary. Summary of Cost Data for Evaluation: Green procurement efforts are not expected to have a significant cost to the County or residents. Impact on Natural Resource Conservation, Energy Production and, Employment: MSW reduction is expected to conserve natural resources. Energy production and job creation is not anticipated. urisdictional Impacts: Interest in Participation by Neighboring Planning Units: This is an internal program and is not anticipated to affect neighboring planning units. However, the County could provide the green procurement process as an example to neighboring planning units for implementing a similar program. Alternatives Available with Participation by Neighboring Planning Units: Activities associated with this program are not dependent on the participation of neighboring planning units. **Recommendations from Neighboring Planning Units:** N/A Assessment of Environmental Justice Impacts: According to the NYSDEC Environmental Justice Area Mapper, there are thirty three potential environmental justice areas located in Chautauqua County, in the City of Jamestown and Dunkirk, Town of Brocton, Fredonia, Stockton, Westfield. There is no known or expected environmental justice impact in Chautauqua County associated with green procurement. Selected Alternatives Identification: **Reasons for Being Chosen:** This alternative is a low-cost method for promoting waste reduction in accordance with the hierarchy of waste management identified in the State SWMP and the Solid Waste Management Act of 1988. Expected Quantitative and Qualitative Impacts On: Waste Reduction: Expected to reduce MSW volumes by <5%. Reuse: Expected to enhance reuse by <5%. Materials Recovery: Expected to enhance materials recovery by <5%. Participation in Recovery Opportunities: Expected to enhance participation by <5%. Product Stewardship: Expected to promote product stewardship. Economic, Administrative, or Partnership Benefits: Expected to increase expenses by <10%. Identification of Administrative, Contractual, and Financial Requirements for Implementation: The existing administrative, contractual, and financial structure is sufficient to support proposed green procurement activities. Identification of New or Modified Local Laws, Ordinances, or Regulations Required for Implementation: None at this time.

2.1 Program Strategy: Title: Reuse Programs (Identify and Promote Existing Programs) Administrative/Technical Impacts: Quantitative/Qualitative Impacts on Waste Stream: The promotion of existing reuse programs is expected to reduce select MSW waste volumes by <5% over 10 year planning period. Types and Sizing of Facilities or Program: This program would not affect sizing of current facilities and there would be no infrastructure required by the County. Reuse programs allow the facilities within the planning unit to stay the same size; additional space for waste processing is not anticipated to be necessary. Summary of Cost Data for Evaluation: Anticipated costs associated with this program are for additional research and educational efforts. Impact on Natural Resource Conservation, Energy Production and, Employment: Reuse of materials is expected to conserve natural resources. Energy production and job creation is not anticipated. lurisdictional Impacts: Interest in Participation by Neighboring Planning Units: Existing reuse programs in Cattaraugus (NY), Seneca Nation of Indians (NY), Erie(NY), Erie (PA), and Warren (PA) Counties could potentially be promoted by Chautauqua County to progress efforts in communities near the county borders. Alternatives Available with Participation by Neighboring Planning Units: Activities associated with this program are not dependent on the participation of neighboring planning units. **Recommendations from Neighboring Planning Units:** N/A Assessment of Environmental Justice Impacts: Promoting existing reuse programs could increase the volume of donated items, which are less expensive and possibly more accessible to environmental justice areas. Selected Alternatives Identification: **Reasons for Being Chosen:** This alternative is a low-cost method for promoting waste reduction in accordance with the hierarchy of waste management identified in the State SWMP and the Solid Waste Management Act of 1988. Expected Quantitative and Qualitative Impacts On: Waste Reduction: Expected to reduce MSW volumes by <5%. Reuse: Expected to enhance reuse by >5%. Materials Recovery: Expected to enhance materials recovery by 3% to 5%. Participation in Recovery Opportunities: Expected to enhance participation by <5%. Product Stewardship: No anticipated impact on product stewardship. Economic, Administrative, or Partnership Benefits: Expected to reduce expenses <5%. Identification of Administrative, Contractual, and Financial Requirements for Implementation: The existing administrative, contractual, and financial structure is sufficient to support ongoing and proposed reuse promotion activities. Identification of New or Modified Local Laws, Ordinances, or Regulations Required for Implementation: None at this time.

| Program Strategy: 2.2 |
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| <u>Title:</u> Reuse Programs (Identify Potential New Programs) |
| Administrative/Technical Impacts: |
| Quantitative/Qualitative Impacts on Waste Stream: |
| The implementation of a new reuse program is expected to reduce select MSW waste volumes by <5% over 10 year |
| planning period. |
| Types and Sizing of Facilities or Program: |
| This program would not affect sizing of current facilities and there is no anticipated new infrastructure required by the County. Reuse programs allow the facilities within the planning unit to stay the same size; additional space for waste |
| processing is not anticipated to be necessary. Summary of Cost Data for Evaluation: |
| Anticipated costs associated with this program are for additional research and educational efforts. |
| Impact on Natural Resource Conservation, Energy Production and, Employment: |
| Reuse of materials is expected to conserve natural resources. Energy production and job creation is not anticipated. |
| Jurisdictional Impacts: |
| Interest in Participation by Neighboring Planning Units: |
| The County will investigate the reuse programs of neighboring planning units and there is a potential for collaboration. |
| Alternatives Available with Participation by Neighboring Planning Units: |
| Activities associated with this program are not dependent on the participation of neighboring planning units. |
| Recommendations from Neighboring Planning Units: |
| N/A |
| Assessment of Environmental Justice Impacts: |
| Promoting reuse programs could increase the volume of donated items, which are less expensive and possibly more |
| accessible to environmental justice areas. |
| Selected Alternatives Identification: |
| Reasons for Being Chosen: |
| This alternative is a low-cost method for promoting waste reduction in accordance with the hierarchy of waste management identified in the State SWMP and the Solid Waste Management Act of 1988. |
| Expected Quantitative and Qualitative Impacts On: |
| Waste Reduction: |
| Expected to reduce MSW volumes by <5%. |
| Reuse: |
| Expected to enhance reuse by >5%. |
| Materials Recovery: |
| Expected to enhance materials recovery by 3% to 5%. |
| Participation in Recovery Opportunities: |
| Expected to enhance participation by <5%. |
| Product Stewardship: |
| No anticipated impact on product stewardship. |
| Economic, Administrative, or Partnership Benefits: |
| Expected to reduce expenses <5%. |
| Identification of Administrative, Contractual, and Financial Requirements for Implementation: |
| The existing administrative, contractual, and financial structure is sufficient to support ongoing and proposed reuse |
| promotion activities. |
| Identification of New or Modified Local Laws, Ordinances, or Regulations Required for Implementation: |
| None at this time. |

Program Strategy: 3.1

Title: Increase Materials Recovered and Improve Recyclables Market (Evaluate Changes to Recyclables Sorting)

Administrative/Technical Impacts:

Quantitative/Qualitative Impacts on Waste Stream:

If new markets are developed for material streams that are currently disposed of as MSW, the County may be able to incorporate these additional materials into the County's recycling program thus diverting them from disposal at a landfill. Additionally, the County will evaluate the potential for requiring the source separating of plastic recyclables or converting to single stream recycling, which will increase market value or increase the volume of recyclables diverted, respectively.

Types and Sizing of Facilities or Program:

Additional facility space for additional materials is the only sizing criteria associated with this program. Educational programs may be implemented to educate the public on the additional recyclable materials or changes to source separation requirements.

Summary of Cost Data for Evaluation:

Anticipated costs associated with this program may include the need for additional facility space (receiving and storage areas), additional storage containers, and additional labor for processing materials. These costs will vary based on the type and quantity of additional materials, and could be significant.

Impact on Natural Resource Conservation, Energy Production and, Employment:

An increase of materials accepted at the transfer stations is expected to enhance natural resource conservation. No energy production or job creation are anticipated as a result of this proposed program.

Jurisdictional Impacts:

Interest in Participation by Neighboring Planning Units:

Cattaraugus (NY), Seneca Nation of Indians (NY), Erie(NY), Erie (PA), and Warren (PA) Counties could potentially participate with Chautauqua County in the proposed program, but is unlikely due to separate recycling programs operated by each planning unit.

Alternatives Available with Participation by Neighboring Planning Units:

Activities associated with this program are not dependent on the participation of neighboring planning units. <u>Recommendations from Neighboring Planning Units:</u>

N/A

Assessment of Environmental Justice Impacts:

There is no known or expected environmental justice impact in Chautauqua County associated with the proposed expansion of accepted materials or potential changes to source separation requirements at the transfer and convenience stations.

Selected Alternatives Identification:

Reasons for Being Chosen:

This selection of this alternative is based on economics. Additional materials can be integrated into the County's existing recycling program only if markets exist for the sale of collected materials.

Expected Quantitative and Qualitative Impacts On:

Waste Reduction:

Expected to increase recycling volumes by ~5%.

Reuse:

No anticipated impact on material reuse.

Materials Recovery:

Expected to enhance materials recovery by ~5%.

Participation in Recovery Opportunities:

Expected to enhance participation by ~5%.

Product Stewardship:

No anticipated impact on product stewardship; however, depending on state legislation associated with materials covered under product stewardship legislation additional materials could be added to the existing program.

Economic, Administrative, or Partnership Benefits:

Expected increase in operating costs for processing additional material streams. Additional revenues, or a decrease in T&D costs may be realized, depending on structure and details of contract with T&D vendor.

Identification of Administrative, Contractual, and Financial Requirements for Implementation:

The existing administrative, contractual, and financial structure is sufficient to support the proposed expanded recycling program.

Identification of New or Modified Local Laws, Ordinances, or Regulations Required for Implementation:

Depending on whether the expanded recyclables are expected to be accepted long-term and sustainable, the list of mandatory recycables could be incorporated into the recycling law. Changes to source separation requirements would need to be incorporated into the recycling law.

Program Strategy: 3.2

Title: Increase Materials Recovered and Improve Recyclables Market (Plastic Bags and Batteries)

Administrative/Technical Impacts:

Quantitative/Qualitative Impacts on Waste Stream:

If the County compiles a list of resources for the collection of plastic bags and batteries and promotes these programs, then recovered quantities of these materials should increase. This program may result in the diversion of toxic/hazardous components from the waste stream.

Types and Sizing of Facilities or Program:

This program would not affect sizing of current facilities and there is no anticipated new infrastructure required by the County.

Summary of Cost Data for Evaluation:

Anticipated costs associated with this program are for additional research and educational efforts.

Impact on Natural Resource Conservation, Energy Production and, Employment:

Recycling of materials is expected to conserve natural resources. Energy production and job creation is not anticipated.

Jurisdictional Impacts:

Interest in Participation by Neighboring Planning Units:

Cattaraugus (NY), Seneca Nation of Indians (NY), Erie(NY), Erie (PA), and Warren (PA) Counties could potentially participate with Chautauqua County in the proposed program, but it is not necessary.

Alternatives Available with Participation by Neighboring Planning Units:

Activities associated with this program are not dependent on the participation of neighboring planning units.

Recommendations from Neighboring Planning Units:

N/A

Assessment of Environmental Justice Impacts:

There is no known or expected environmental justice impact in Chautauqua County associated with this program.

Selected Alternatives Identification:

Reasons for Being Chosen:

This alternative is a low-cost method for promoting recycling in accordance with the hierarchy of waste management identified in the State SWMP and the Solid Waste Management Act of 1988.

Expected Quantitative and Qualitative Impacts On:

Waste Reduction:

Expected to increase recycling volumes by <5%.

Reuse:

No anticipated impact on materials reuse.

Materials Recovery:

Expected to enhance materials recovery by <5%.

Participation in Recovery Opportunities:

Expected to enhance participation by <5%.

Product Stewardship:

No anticipated impact on product stewardship.

Economic, Administrative, or Partnership Benefits:

No anticipated economic, administrative, or partnership impacts.

Identification of Administrative, Contractual, and Financial Requirements for Implementation:

The existing administrative, contractual, and financial structure is sufficient to support the proposed expanded recycling program.

Identification of New or Modified Local Laws, Ordinances, or Regulations Required for Implementation: None at this time.

Program Strategy: 4.1 **Recyclables Recovery Programs (Agricultural Recycling)** Title: Administrative/Technical Impacts: Quantitative/Qualitative Impacts on Waste Stream: Expected to increase recycling efforts by <5% and reduce burial of agricultural waste in-place. Types and Sizing of Facilities or Program: Additional facility space could be needed and would be the only anticipated sizing criteria associated with this program. Educational efforts will likely also be pursued to increase participation in the program. Summary of Cost Data for Evaluation: Anticipated costs associated with this program are for potential additional facility space and educational efforts. Impact on Natural Resource Conservation, Energy Production and, Employment: The addition of agricultural wastes to the County's recycling program is expected to enhance natural resource conservation and potentially create new jobs, although minimal. No energy production is anticipated as a result of this program; however, it cannot be ruled out given the various technologies available for management of this material. urisdictional Impacts: Interest in Participation by Neighboring Planning Units: Cattaraugus (NY), Seneca Nation of Indians (NY), Erie(NY), Erie (PA), and Warren (PA) Counties could potentially participate with Chautauqua County in the proposed program. Alternatives Available with Participation by Neighboring Planning Units: Activities associated with this program are not dependent on the participation of neighboring planning units, but may become more economically feasible with increase participation from other planning units. **Recommendations from Neighboring Planning Units:** N/A Assessment of Environmental Justice Impacts: No known or expected environmental justice impact within Chautaugua County associated with the agricultural recycling program is expected. Selected Alternatives Identification: Reasons for Being Chosen: The County is largely rural with a significant agricultural community for participation in this program, if funding mechanisms and markets become available. Expected Quantitative and Qualitative Impacts On: Waste Reduction: Expected to increase recycling volumes by <5%. Reuse: Expected to enhance reuse activities by <5%. Materials Recovery: Expected to improve recovery of select materials by <5%. Participation in Recovery Opportunities: Expected to increase participation by <5%. Product Stewardship: No measurable impact on product stewardship is anticipated. Economic, Administrative, or Partnership Benefits: Administrative and partnership benefits are likely for this proposed program. Partnerships with neighboring planning units and other organizations would improve the development of this program. There are not any quantifiable economic benefits associated with this program. Identification of Administrative, Contractual, and Financial Requirements for Implementation: Existing administrative, financial, and contractual structure is sufficient to support the proposed program, if partnerships can be developed to share the administrative and financial burdens. Identification of New or Modified Local Laws, Ordinances, or Regulations Required for Implementation: No new local laws, ordinances, or regulations are identified as necessary at this time.

| Program Strategy: 4.2 |
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| Title: Recyclables Recovery Programs (County Facilities) |
| Administrative/Technical Impacts: |
| Quantitative/Qualitative Impacts on Waste Stream: |
| Increased recycling at County facilities is expected to increase recycling efforts by up to 5% over the 10 year planning |
| period. In addition the program could have ancillary benefits by providing education in the form of setting an example |
| for proper waste reduction and diversion. |
| Types and Sizing of Facilities or Program: |
| There is no foreseen additional infrastructure needed to support this program. Items such as collection bins or |
| educational materials could be required. |
| Summary of Cost Data for Evaluation: |
| Increased recycling at County facilities is expected to have no measurable cost to the County. Operation and |
| maintenance costs for the County are expected to rise modestly in line with inflation. |
| Impact on Natural Resource Conservation, Energy Production and, Employment: |
| Increasing recycling efforts at County facilities is expected to enhance natural resource conservation. No energy |
| production or job creation is anticipated as a result of this program. |
| Jurisdictional Impacts: |
| Interest in Participation by Neighboring Planning Units: |
| No participation by neighboring planning units is anticipated. |
| Alternatives Available with Participation by Neighboring Planning Units: |
| Activities associated with this program are not dependent on the participation of neighboring planning units. |
| Recommendations from Neighboring Planning Units: |
| N/A |
| Assessment of Environmental Justice Impacts: |
| No known or expected environmental justice impact within Chautauqua County associated with increased recycling |
| efforts is expected. |
| Selected Alternatives Identification: |
| Reasons for Being Chosen: |
| This program strategy was chosen as a relatively low-cost way for the County to lead by example in reducing waste |
| generated and promoting recycling. This strategy can also act as a public education tool, to encourage County |
| employees and residents to change purchasing and consumption behaviors. |
| Expected Quantitative and Qualitative Impacts On: |
| Waste Reduction: |
| Expected to increase recycling volumes by <5%. |
| Reuse: |
| Expected to enhance reuse activities by <5%. |
| Materials Recovery: |
| Expected to improve recovery of select materials by 5-10%. |
| Participation in Recovery Opportunities: |
| Expected to increase participation by <5%. |
| Product Stewardship: |
| No measurable impact on product stewardship is anticipated. |
| Economic, Administrative, or Partnership Benefits: |
| This commitment by the administration to expand internal recycling, would be a benefit to the overall program. |
| Identification of Administrative, Contractual, and Financial Requirements for Implementation: |
| Existing administrative, financial, and contractual structure is sufficient to support the proposed program. |
| Identification of New or Modified Local Laws, Ordinances, or Regulations Required for Implementation: |
| No new local laws, ordinances, or regulations are identified as necessary at this time. |

4.3 Program Strategy: Title: Recyclables Recovery Programs (County Events) Administrative/Technical Impacts: Quantitative/Qualitative Impacts on Waste Stream: Increased recycling at County events is expected to increase recycling efforts by up to 5% over the 10 year planning period. In addition the program could have ancillary benefits by providing education in the form of setting an example for proper waste reduction and diversion. Types and Sizing of Facilities or Program: There is no foreseen additional infrastructure needed to support this program. Items such as collection bins or educational materials could be required. Summary of Cost Data for Evaluation: Increased recycling at County events is expected to have no measurable cost to the County. Operation and maintenance costs for the County are expected to rise modestly in line with inflation. Impact on Natural Resource Conservation, Energy Production and, Employment: Increasing recycling efforts at County facilities and events is expected to enhance natural resource conservation. No energy production or job creation is anticipated as a result of this program. urisdictional Impacts: Interest in Participation by Neighboring Planning Units: No participation by neighboring planning units is anticipated. Alternatives Available with Participation by Neighboring Planning Units: Activities associated with this program are not dependent on the participation of neighboring planning units. **Recommendations from Neighboring Planning Units:** N/A Assessment of Environmental Justice Impacts: No known or expected environmental justice impact within Chautauqua County associated with increased recycling efforts is expected. Selected Alternatives Identification: **Reasons for Being Chosen:** This program strategy was chosen as a relatively low-cost way for the County to lead by example in reducing waste generated and promoting recycling. This strategy can also act as a public education tool, to encourage County employees and residents to change purchasing and consumption behaviors. Expected Quantitative and Qualitative Impacts On: Waste Reduction: Expected to increase recycling volumes by <5%. Reuse: Expected to enhance reuse activities by <5%. Materials Recovery: Expected to improve recovery of select materials by <5%. Participation in Recovery Opportunities: Expected to increase participation by <5%. Product Stewardship: No measurable impact on product stewardship is anticipated. Economic, Administrative, or Partnership Benefits: This commitment by the administration to expand internal recycling, would be a benefit to the overall program. Identification of Administrative, Contractual, and Financial Requirements for Implementation: Existing administrative, financial, and contractual structure is sufficient to support the proposed program. Identification of New or Modified Local Laws, Ordinances, or Regulations Required for Implementation: No new local laws, ordinances, or regulations are identified as necessary at this time.

| Title: Product Stewardship (Product Stewardship Resolution) dministrative/Technical impacts: Quantitative/Induction (Inducts on Waste Stream); Adoption of the product stewardship framework displays support for the implementation of State-wide product stewardship initiatives. Types and State of Facilities or Program; There is no additional infrastructure needed to support this program. Summary of Cost Data for Evaluation; Product Stewardship has the potential to decrease the costs of waste management and diversion efforts in the County by shifting a portion of the diposal and/or diversion costs to the producers. Inpact on Matrix Resource Conservation, Energy Production and, Employment; Natural resource conservation, energy production, and job creation in the County is not anticipated as a result of this program. urisdictional impacts: Interest: Interest: No participation by Neighboring Planning Units; No participation by Neighboring Planning Units; N/A Assessment of Environmental Justice impact within Chautauqua County associated with product stewardship initiatives is expected. elected Alternatives Identification: Reasons for Being Chosen; Chautauqua County has little to no influence over manufacturing, but could join other counties who have adopted this framework to messure state and this program strates; None anticipated. | |
|---|--|
| dministrative/Technical Impacts: Quantitative/Qualitative impacts on Waste Stream: Adoption of the product stewardship framework displays support for the implementation of State-wide product stewardship initiatives. Types and Sizing of Facilities or Program: There is no additional infrastructure needed to support this program. Summary of Cost Data for Evaluation: Product stewardship has the potential to decrease the costs of waste management and diversion efforts in the Country by shifting a portion of the diposal and/or diversion costs to the producers. Impact on Natural Resource Conservation, energy production and, Employment: Natural resource conservation, energy production, and job creation in the County is not anticipated as a result of this program. urbicitional impacts: Interest in Participation by Neighboring Planning Units: Noticipation by neighboring Planning Units: Nettivites associated with this program are not dependent on the participation of neighboring planning units. Recommendations from Neighboring Planning Units: N/A Sessement of Environmental Justice impacts: No known or expected environmental justice impacts on the function at the state level. Additionally, significant cost savings could pain significant cost savings could pain significant cost savings could pain significant impacts on: Nore enticipated. Reasons for Being Choasen: | Program Strategy: 5.1 |
| Quantitative/Qualitative Impacts on Waste Stream: Adoption of the product stewardship framework displays support for the implementation of State-wide product stewardship initiatives. Types and Sizing of Facilities or Program: There is no additional infrastructure needed to support this program. Summary of Cost Data for Fvaluation: Product stewardship has the potential to decrease the costs of waste management and diversion efforts in the County by shifting a potion of the diposal and/or diversion costs to the producers. Impact on Natural Resource Conservation, Energy Production and, Employment: Natural resource conservation, energy production, and job creation in the County is not anticipated as a result of this program. wrigdictional impacts: Interest in Participation by Neighboring Planning Units: No participation by Neighboring Planning Units: Activities associated with this program are not dependent on the participation of neighboring planning units. Recommentations from Neighboring Planning Units: N/A Assessment of Environmental Justice Impacts: No known or expected environmental Justice impact within Chautauqua County associated with product stewardship initiatives is expected. elected Alternatives Identification: Beasons for Being Chosen: Chautauqua County has little to no influence over manufacturing, but could join other countics who have adopted this framework to mactina | <u>Title:</u> Product Stewardship (Product Stewardship Resolution) |
| Adoption of the product stewardship framework displays support for the implementation of State-wide product stewardship initiatives. Types and Sizing of Facilities or Program: There is no additional infrastructure needed to support this program. Summary of Cost Data for Evaluation: Product stewardship has the potential to decrease the costs of waste management and diversion efforts in the County by shifting a portion of the diposal and/or diversion costs to the producers. Impact on Natural Resource Conservation, Energy Production and, Employment: Natural resource conservation, energy production and, Employment: Natural resource conservation, energy production, and job creation in the County is not anticipated as a result of this program. urisdictional Impacts: Interest in Participation by Neighboring Planning Units: No participation by neighboring planning Units: Natural resource conservation, energy Production and Employment: Naternatives Available with Participation by Neighboring Planning Units: Atternatives Available with Participation by Neighboring Planning Units: NA Assessment of Environmental Justice Impacts: No known or expected environmental Justice Impacts: No known or expected environmental Justice Impacts: No known or expected environmental Justice impact within Chautauqua County associated with product stewardship initiatives is expected. elected Atternatives Identification: Reasons for Being Chosen: Chautauqua County has little to no influence over manufacturing, but could join other counties who have adopted this framework to pressure state lawmakers to take further action at the state level. Additionally, significant cost savings could be realized if producers were responsible for the disposal costs of items for which municipalities were historically responsible. Respected . Respected . Respect | Administrative/Technical Impacts: |
| stewardship initiatives. Types and Sizing of Facilities or Program: There is no additional infrastructure needed to support this program. Summary of Cost Data for Evaluation: Product stewardship has the potential to decrease the costs of waste management and diversion efforts in the County by shifting a portion of the diposal and/or diversion costs to the producers. Impact on Natural Resource Conservation, Energy Production and, Employment: Natural resource conservation, energy production, and job creation in the County is not anticipated as a result of this program. urisdictional Impacts: Interest in Participation by Neighboring Planning Units: No participation by neighboring planning units is anticipated. Alternatives Available with Participation by Neighboring Planning Units: NA carific associated with this program are not dependent on the participation of neighboring planning units. Recommendations from Neighboring Planning Units: NA known or expected environmental Justice Impacts: No k nown or expected environmental Justice Impacts: No k nown or expected environmental Justice Impacts: No k nown or expected environmental Justice Impacts: Chautauqua County has little to no influence over manufacturing, but could join other counties who have adopted this framework to pressure state lawmakers to take further action at the state level. Additionally, significant cost savings could be realized if producers were responsible for the disposal costs of items for which municipalities were historically responsible. Expected Quantitative and Qualitative Impacts On: Woste Reduction: None anticipated. <i>Reuse:</i> None anticipated. <i>Product Stewardship</i> initiatives could occur as a result of this program strategy. <i>Product Stewardship</i> initiatives could occur as a result of this program strategy. <i>Economic, Administrative, Contractual, and Financial Requirements for Implementation</i> : Existing administrative, Contractual, and Financial Requirements for Implementation: Existing administrative, C | Quantitative/Qualitative Impacts on Waste Stream: |
| Types and Sizing of Facilities or Program: There is no additional infrastructure needed to support this program. Summary of Cost Data for Evaluation: Product stewardship has the potential to decrease the costs of waste management and diversion efforts in the County by shifting a portion of the diposal and/or diversion costs to the producers. Impact on Natural Resource Conservation, Energy Production and, Employment: Natural resource conservation, energy production, and job creation in the County is not anticipated as a result of this program. urisdictional Impacts: Interest in Participation by Neighboring Planning Units: No participation by neighboring planning units: Recommendations from Neighboring Planning Units: NA Atternatives Available with Participation by Neighboring Planning Units: NA Assessment of Environmental Justice Impacts: No known or expected environmental justice impact within Chautauqua County associated with product stewardship initiatives is expected. elected Alternatives Identification: Reasons for Being Chosen: Chautauqua County has little to no influence over manufacturing, but could join other counties who have adopted this framework to pressure state lawmakers to take further action at the state level. Additionally, significant cost savings could be realized if producers were responsible for the disposal costs of items for which municipalities were historically re | Adoption of the product stewardship framework displays support for the implementation of State-wide product |
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| Participation in Recovery Opportunities: None anticipated. Product Stewardship: An increase in product stewardship initiatives could occur as a result of this program strategy. Economic, Administrative, or Partnership Benefits: As municipalities throughout the State adopt product stewardship framework, it is anticipated that this show of support could lead to legislative action at the State level. Identification of Administrative, Contractual, and Financial Requirements for Implementation: Existing administrative, financial, and contractual structure is sufficient to support the proposed program. | |
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| Product Stewardship: An increase in product stewardship initiatives could occur as a result of this program strategy. Economic, Administrative, or Partnership Benefits: As municipalities throughout the State adopt product stewardship framework, it is anticipated that this show of support could lead to legislative action at the State level. Identification of Administrative, Contractual, and Financial Requirements for Implementation: Existing administrative, financial, and contractual structure is sufficient to support the proposed program. | |
| An increase in product stewardship initiatives could occur as a result of this program strategy. <i>Economic, Administrative, or Partnership Benefits:</i> As municipalities throughout the State adopt product stewardship framework, it is anticipated that this show of support could lead to legislative action at the State level. <u>Identification of Administrative, Contractual, and Financial Requirements for Implementation:</u> Existing administrative, financial, and contractual structure is sufficient to support the proposed program. | |
| Economic, Administrative, or Partnership Benefits: As municipalities throughout the State adopt product stewardship framework, it is anticipated that this show of support could lead to legislative action at the State level. Identification of Administrative, Contractual, and Financial Requirements for Implementation: Existing administrative, financial, and contractual structure is sufficient to support the proposed program. | |
| As municipalities throughout the State adopt product stewardship framework, it is anticipated that this show of support could lead to legislative action at the State level. <u>Identification of Administrative, Contractual, and Financial Requirements for Implementation:</u> Existing administrative, financial, and contractual structure is sufficient to support the proposed program. | |
| support could lead to legislative action at the State level. <u>Identification of Administrative, Contractual, and Financial Requirements for Implementation:</u> Existing administrative, financial, and contractual structure is sufficient to support the proposed program. | |
| Identification of Administrative, Contractual, and Financial Requirements for Implementation: Existing administrative, financial, and contractual structure is sufficient to support the proposed program. | |
| Existing administrative, financial, and contractual structure is sufficient to support the proposed program. | |
| | Identification of Administrative, Contractual, and Financial Requirements for Implementation: |
| Identification of New or Modified Local Laws. Ordinances. or Regulations Required for Implementation: | Existing administrative, financial, and contractual structure is sufficient to support the proposed program. |
| | Identification of New or Modified Local Laws, Ordinances, or Regulations Required for Implementation: |
| A county resolution would be required to adopt product stewardship legislation framework. | A county resolution would be required to adopt product stewardship legislation framework. |

| Program Stra Title: Produc | ct Stewardship (Monitor and Promote Proposed Legislation) |
|-------------------------------|---|
| | echnical Impacts: |
| | ualitative Impacts on Waste Stream: |
| | promoting proposed product stewardship legislation displays support for the implementation of State- |
| - | ewardship initiatives. |
| • | g of Facilities or Program: |
| | |
| | itional infrastructure needed to support this program. st Data for Evaluation: |
| | dship has the potential to decrease the costs of waste management and diversion efforts in the County |
| | |
| | rtion of the diposal and/or diversion costs to the producers. |
| | ral Resource Conservation, Energy Production and, Employment: |
| | e conservation, energy production, and job creation in the County is not anticipated as a result of this |
| program. | |
| urisdictional Im | |
| | cipation by Neighboring Planning Units: |
| | n by neighboring planning units is anticipated. |
| | ailable with Participation by Neighboring Planning Units: |
| | ated with this program are not dependent on the participation of neighboring planning units. |
| | ons from Neighboring Planning Units: |
| N/A | |
| | Environmental Justice Impacts: |
| | spected environmental justice impact within Chautauqua County associated with product stewardship |
| initiatives is exp | pected. |
| Selected Alterna | tives Identification: |
| Reasons for Bei | ng Chosen: |
| Chautauqua Co | unty has little to no influence over manufacturing, but could join other counties who have expressed |
| support for pro | posed product stewardship legislation to pressure state lawmakers to take further action at the state |
| level. Additiona | lly, significant cost savings could be realized if producers were responsible for the disposal costs of items |
| for which muni | cipalities were historically responsible. |
| Expected Quan | titative and Qualitative Impacts On: |
| Waste Reduct | ion: |
| None antici | pated. |
| Reuse: | |
| None antici | pated. |
| Materials Rec | overy: |
| No direct im | pacts to material recovery is anticipated, however, the end goal of supporting product stewardship |
| | buld have significant impacts on material recovery. |
| | in Recovery Opportunities: |
| None antici | |
| Product Stew | |
| | in product stewardship initiatives could occur as a result of this program strategy. |
| | ministrative, or Partnership Benefits: |
| | lities throughout the State support product stewardship, it is anticipated that this show of support could |
| | lative action at the State level. |
| - | f Administrative, Contractual, and Financial Requirements for Implementation: |
| | r Auministrative, Contractual, and Emancial Requirements for implementation. |
| | strative, financial, and contractual structure is sufficient to support the proposed program. |

| Program Strategy: 6.1 |
|---|
| |
| <u>Title:</u> Organics Diversion (Local Food Banks) |
| Administrative/Technical Impacts: |
| Quantitative/Qualitative Impacts on Waste Stream: |
| Identifying and promoting local food banks could increase the amount of donated food and reduce food waste |
| generation. |
| <u>Types and Sizing of Facilities or Program:</u> |
| There is no foreseen additional infrastructure needed to support this program. |
| Summary of Cost Data for Evaluation: |
| Costs associated with the program include research and public educational programs. |
| Impact on Natural Resource Conservation, Energy Production and, Employment: |
| The proposed program is expected to provide for natural resource conservation. Energy production and job creation is |
| not anticipated to be affected by the proposed program. |
| Jurisdictional Impacts: |
| Interest in Participation by Neighboring Planning Units: |
| No participation by neighboring planning units is anticipated. |
| Alternatives Available with Participation by Neighboring Planning Units: |
| Activities associated with this program are not dependent on the participation of neighboring planning units. |
| Recommendations from Neighboring Planning Units: |
| N/A |
| Assessment of Environmental Justice Impacts: |
| Beyond potentially increasing the amount of food available at food banks, there is no known or expected environmental |
| justice impact in Chautauqua County associated with this program. |
| Selected Alternatives Identification: |
| Reasons for Being Chosen: |
| Chautauqua County has the potential to partner with other organizations to improve educational programs and promote food donation to reduce organic waste disposal at minimal cost to the County. |
| Expected Quantitative and Qualitative Impacts On: |
| Waste Reduction: |
| Expected to reduce waste volumes by <5%. |
| Reuse: |
| No anticipated impacts to materials reuse. |
| Materials Recovery: |
| Expected to improve recovery of select waste materials by <5%. |
| Participation in Recovery Opportunities: |
| Expected to enhance participation <5%. |
| Product Stewardship: |
| No measurable impact on product stewardship is anticipated. |
| Economic, Administrative, or Partnership Benefits: |
| These programs are not expected to result in economic or administrative benefits. |
| Identification of Administrative, Contractual, and Financial Requirements for Implementation: |
| Existing administrative, financial, and contractual structure is sufficient to support the proposed program. |
| Identification of New or Modified Local Laws, Ordinances, or Regulations Required for Implementation: |
| No new local laws, ordinances, or regulations are identified as necessary at this time. |
| |

| Program Strategy: 6.2 | |
|---|-------------|
| Fitle: Organics Diversion (Yard Waste Management) | |
| Administrative/Technical Impacts: | |
| Quantitative/Qualitative Impacts on Waste Stream: | |
| Supporting the proper management of yard waste could increase diversion of organics from the County's solid was | ste |
| management system. | |
| Types and Sizing of Facilities or Program: | |
| There is no foreseen additional infrastructure needed to support this program. | |
| Summary of Cost Data for Evaluation: | |
| Costs associated with the program include research and public educational and training programs. | |
| Impact on Natural Resource Conservation, Energy Production and, Employment: | |
| The proposed program is expected to provide for natural resource conservation. Energy production and job creation | on is |
| not anticipated to be affected by the proposed program. | |
| urisdictional Impacts: | |
| Interest in Participation by Neighboring Planning Units: | |
| Cattaraugus (NY), Seneca Nation of Indians (NY), Erie(NY), Erie (PA), and Warren (PA) Counties could potentially | |
| participate with Chautauqua County in the proposed program by sharing educational materials. | |
| Alternatives Available with Participation by Neighboring Planning Units: | |
| Activities associated with this program are not dependent on the participation of neighboring planning units. | |
| Recommendations from Neighboring Planning Units: | |
| N/A Assessment of Environmental Justice Impacts: | |
| No known or expected environmental justice impacts. | |
| elected Alternatives Identification: | |
| Reasons for Being Chosen: | |
| Chautauqua County is largely rural and would benefit from the promotion of proper management of yard waste, | |
| reducing organic waste disposal at minimal cost to the County. | |
| Expected Quantitative and Qualitative Impacts On: | |
| Waste Reduction: | |
| Expected to reduce waste volumes by <5%. | |
| Reuse: | |
| No anticipated impacts to materials reuse. | |
| Materials Recovery: | |
| Expected to improve recovery of select waste materials by <5%. | |
| Participation in Recovery Opportunities: Expected to enhance participation <5%. | |
| Product Stewardship: | |
| No measurable impact on product stewardship is anticipated. | |
| Economic, Administrative, or Partnership Benefits: | |
| These programs are not expected to result in economic or administrative benefits, although partnership with lo | ocal |
| organizations could potentially reduce program costs. | |
| Identification of Administrative, Contractual, and Financial Requirements for Implementation: | |
| Existing contractual structure is sufficient to support the proposed program. Partnerships will be sought out for the | |
| minor financial and administrative requirements that would be needed to support education and training program | IS . |
| Identification of New or Modified Local Laws, Ordinances, or Regulations Required for Implementation: | |
| No new local laws, ordinances, or regulations are identified as necessary at this time. | |

| Dreason Strategy 6.2 |
|--|
| Program Strategy: 6.3 |
| <u>Title:</u> Organics Diversion (Backyard Composting Education) |
| Administrative/Technical Impacts: |
| Quantitative/Qualitative Impacts on Waste Stream: |
| Promoting backyard composting through education and training programs and/or subsidizing compost bins for residents |
| could increase organics diversion significantly. |
| Types and Sizing of Facilities or Program: |
| There is no foreseen additional infrastructure needed to support this program. |
| Summary of Cost Data for Evaluation: |
| Costs associated with the program include public educational and training programs, and some or all of the cost for a bulk |
| purchase of compost bins for residents to purchase. |
| Impact on Natural Resource Conservation, Energy Production and, Employment: |
| The proposed program is expected to provide for natural resource conservation. Energy production and job creation is not |
| anticipated to be affected by the proposed program. |
| Jurisdictional Impacts: |
| Interest in Participation by Neighboring Planning Units: |
| Cattaraugus (NY), Seneca Nation of Indians (NY), Erie(NY), Erie (PA), and Warren (PA) Counties could potentially participate |
| with Chautauqua County in the proposed program by sharing educational materials and/or bulk purchase of backyard |
| composting bins for sale to residents at cost. |
| Alternatives Available with Participation by Neighboring Planning Units: |
| Activities associated with this program are not dependent on the participation of neighboring planning units. |
| Recommendations from Neighboring Planning Units: |
| N/A |
| Assessment of Environmental Justice Impacts: |
| No known or expected environmental justice impact in Chautauqua County associated with this program. |
| Selected Alternatives Identification: |
| Reasons for Being Chosen: |
| Chautauqua County has the potential to partner with other organizations to improve educational programs and promote |
| residential composting to reduce organic waste disposal at minimal cost to the County. |
| Expected Quantitative and Qualitative Impacts On: |
| Waste Reduction: |
| Expected to reduce waste volumes by <5%. |
| Reuse: |
| No anticipated impacts to materials reuse. |
| Materials Recovery: |
| Expected to improve recovery of select waste materials by <5%. Participation in Recovery Opportunities: |
| |
| Expected to enhance participation <5%. Product Stewardship: |
| Product Stewardship: No measurable impact on product stewardship is anticipated. |
| Economic, Administrative, or Partnership Benefits: |
| These programs are not expected to result in economic or administrative benefits, although partnership with local |
| organizations could potentially reduce program costs. |
| Identification of Administrative, Contractual, and Financial Requirements for Implementation: |
| Existing contractual structure is sufficient to support the proposed program. Partnerships will be sought out for the minor |
| financial and administrative requirements that would be needed to support education and training programs. |
| indication and doministrative requirements that would be needed to support education and training programs. |
| Identification of New or Modified Local Laws, Ordinances, or Regulations Required for Implementation: |
| Ne new level lows, ordinances, or regulations are identified as passes on at this time. |

Program Strategy: 7.1

Title: Incentive-based Pricing (Evaluate PAYT Fees)

Administrative/Technical Impacts:

Quantitative/Qualitative Impacts on Waste Stream:

Positive impacts due to financial incentives for waste reduction efforts are expected to increase material recovery. Negative impacts in the form of illegal dumping and potential contamination of recycling streams could occur with a PAYT program.

Types and Sizing of Facilities or Program:

PAYT Program is existing and no additional infrastructure is required.

Summary of Cost Data for Evaluation:

PAYT fees are reviewed by the County each year and re-assessed should an increase in fees be needed.

Impact on Natural Resource Conservation, Energy Production and, Employment:

This program has the potential to conserve natural resources due to incentivized waste reduction and diversion.

Iurisdictional Impacts:

Interest in Participation by Neighboring Planning Units:

No participation by neighboring planning units is anticipated.

Alternatives Available with Participation by Neighboring Planning Units:

Activities associated with this program are not dependent on the participation of neighboring planning units.

Recommendations from Neighboring Planning Units:

N/A

Assessment of Environmental Justice Impacts:

PAYT programs have the potential to impact poor communities who cannot afford to pay for the amount of waste they dispose. This will be factored into the analysis for fee changes in the PAYT program.

Selected Alternatives Identification:

Reasons for Being Chosen:

Fee changes to the PAYT program could further incentivize waste reduction.

Expected Quantitative and Qualitative Impacts On:

Waste Reduction:

Expected to increase waste reduction by <5%.

Reuse:

Expected to increase product reuse by <5%.

Materials Recovery:

Expected to increase material recovery by up to 5% but could increase recyclables contamination by <5%.

Participation in Recovery Opportunities:

No measurable impact on participation is expected.

Product Stewardship:

No measurable impact on product stewardship is expected.

Economic, Administrative, or Partnership Benefits:

Minor economic benefits may result from increased recyclables recovery.

Identification of Administrative, Contractual, and Financial Requirements for Implementation:

Existing administrative, financial, and contractual structure is sufficient to support the proposed program.

Identification of New or Modified Local Laws, Ordinances, or Regulations Required for Implementation:

Program Strategy: 7.2

<u>Title:</u> Incentive-based Pricing (Evaluate Other Unit Based Pricing Systems)

Administrative/Technical Impacts:

Quantitative/Qualitative Impacts on Waste Stream:

Positive impacts due to financial incentives for waste reduction efforts are expected to increase material recovery. Negative impacts in the form of illegal dumping and potential contamination of recycling streams could occur with a PAYT program. A different unit based pricing system may have a different balance between these benefits and drawbacks.

Types and Sizing of Facilities or Program:

PAYT Program is existing and no additional infrastructure is anticipated at this time.

Summary of Cost Data for Evaluation:

PAYT fees are reviewed by the County each year and re-assessed should an increase in fees be needed.

Impact on Natural Resource Conservation, Energy Production and, Employment:

This program has the potential to conserve natural resources due to incentivized waste reduction and diversion.

Iurisdictional Impacts:

Interest in Participation by Neighboring Planning Units:

No participation by neighboring planning units is anticipated.

Alternatives Available with Participation by Neighboring Planning Units:

Activities associated with this program are not dependent on the participation of neighboring planning units.

Recommendations from Neighboring Planning Units:

N/A

Assessment of Environmental Justice Impacts:

PAYT programs have the potential to impact poor communities who cannot afford to pay for the amount of waste they dispose. This will be factored into the analysis for switchover to a different unit based pricing system.

Selected Alternatives Identification:

Reasons for Being Chosen:

Modifying the PAYT program could further incentivize waste reduction or operate more efficiently.

Expected Quantitative and Qualitative Impacts On:

Waste Reduction:

Expected to increase waste reduction by <5%.

Reuse:

Expected to increase product reuse by <5%.

Materials Recovery:

Expected to increase material recovery by up to 5% but could increase recyclables contamination by <5%. *Participation in Recovery Opportunities:*

No measurable impact on participation is expected.

Product Stewardship:

No measurable impact on product stewardship is expected.

Economic, Administrative, or Partnership Benefits:

Minor economic benefits may result from increased recyclables recovery.

Identification of Administrative, Contractual, and Financial Requirements for Implementation:

Existing administrative, financial, and contractual structure is sufficient to support the proposed program.

Identification of New or Modified Local Laws, Ordinances, or Regulations Required for Implementation:

Program Strategy: 8.1

<u>Title:</u> Education and Outreach (Revamp County's Educational Outreach Program)

Administrative/Technical Impacts:

Quantitative/Qualitative Impacts on Waste Stream:

Continuation and improvement of current education and outreach efforts are anticipated to help maintain and enhance diversion efforts.

Types and Sizing of Facilities or Program:

No additional infrastructure is needed to support this program.

Summary of Cost Data for Evaluation:

An increase in administrative costs are anticipated with increased education and outreach.

Impact on Natural Resource Conservation, Energy Production and, Employment:

A staff member may be added to ensure the success of this program. No impacts to natural resource conservation or energy production are anticipated.

urisdictional Impacts:

Interest in Participation by Neighboring Planning Units:

Cattaraugus (NY), Seneca Nation of Indians (NY), Erie(NY), Erie (PA), and Warren (PA) Counties could potentially participate with Chautauqua County in the proposed program.

Alternatives Available with Participation by Neighboring Planning Units:

Activities associated with this program are not dependent on the participation of neighboring planning units.

Recommendations from Neighboring Planning Units:

N/A

Assessment of Environmental Justice Impacts:

There is no known or expected environmental justice impact in Chautauqua County associated with this program.

Selected Alternatives Identification:

Reasons for Being Chosen:

In the County's solid waste management experience, education and outreach efforts are more effective in adjusting behaviors and compliance with the local solid waste and recycling law than enforcement actions.

Expected Quantitative and Qualitative Impacts On:

Waste Reduction:

Expected to increase waste reduction by 5%.

Reuse:

Expected to increase product reuse by <5%.

Materials Recovery:

Expected to improve materials recovery of select waste materials by >5%.

Participation in Recovery Opportunities:

Participation is expected to improve.

Product Stewardship:

No measurable impact on product stewardship is expected; however, if product stewardship legislation is passed at the state level the product stewardship organizations may be able to provide assistance with education and outreach to the County.

Economic, Administrative, or Partnership Benefits:

Minor economic benefits may result from increased recyclables recovery, but increased costs may result from expenses related to education efforts. Partnerships with other agencies, private companies, and/or citizen groups may be levied to assist with education and outreach.

Identification of Administrative, Contractual, and Financial Requirements for Implementation:

Additional administrative, contractual, and/or financial structure may be required to support additional education and outreach programs.

Identification of New or Modified Local Laws, Ordinances, or Regulations Required for Implementation:

| Program Strategy: 8.2 | Program | Strategy: | 8.2 |
|-----------------------|---------|-----------|-----|
|-----------------------|---------|-----------|-----|

Title: Education and Outreach (Maintain Updated County Website)

Administrative/Technical Impacts:

Quantitative/Qualitative Impacts on Waste Stream:

Continually updating the available waste programs and resources on the County website is anticipated to help maintain and enhance diversion efforts.

Types and Sizing of Facilities or Program:

No additional infrastructure is needed to support this program.

Summary of Cost Data for Evaluation:

An increase in administrative costs are anticipated with increased education and outreach.

Impact on Natural Resource Conservation, Energy Production and, Employment:

No impacts to natural resource conservation, employment, or energy production are anticipated.

Iurisdictional Impacts:

Interest in Participation by Neighboring Planning Units:

No participation by neighboring planning units is anticipated.

Alternatives Available with Participation by Neighboring Planning Units:

Activities associated with this program are not dependent on the participation of neighboring planning units.

Recommendations from Neighboring Planning Units:

N/A

Assessment of Environmental Justice Impacts:

There is no known or expected environmental justice impact in Chautauqua County associated with this program.

Selected Alternatives Identification:

Reasons for Being Chosen:

In the County's solid waste management experience, education and outreach efforts are more effective in adjusting behaviors and compliance with the local solid waste and recycling law than enforcement actions.

Expected Quantitative and Qualitative Impacts On:

Waste Reduction:

Expected to increase waste reduction by <5%.

Reuse:

Expected to increase product reuse by <5%.

Materials Recovery:

Expected to improve materials recovery of select waste materials by <5%.

Participation in Recovery Opportunities:

Participation is expected to improve.

Product Stewardship:

No measurable impact on product stewardship is expected.

Economic, Administrative, or Partnership Benefits:

Minor economic benefits may result from increased recyclables recovery, but increased costs may result from expenses related to maintaining the website.

Identification of Administrative, Contractual, and Financial Requirements for Implementation:

Additional administrative demand will be required to maintain an updated County website.

Identification of New or Modified Local Laws, Ordinances, or Regulations Required for Implementation:

Program Strategy: 9.1

<u>Title:</u> Data Collection and Evaluation Efforts (Investigate Identified Data Gaps)

Administrative/Technical Impacts:

Quantitative/Qualitative Impacts on Waste Stream:

Improved data on seasonal waste, biosolids, and educational institution size will aid the County in determining where to enhance recycling or diversion efforts that could ultimately help the County achieve diversion goals by providing accurate information on current waste generation and diversion.

Types and Sizing of Facilities or Program:

No additional infrastructure is required. However, administrative staff may experience increased work load due to the efforts required to obtain, compile, and review additional data.

Summary of Cost Data for Evaluation:

Costs associated with the program include administrative labor for data gathering and analysis.

Impact on Natural Resource Conservation, Energy Production and, Employment:

No impacts to natural resource conservation, energy production, or employment are anticipated.

Jurisdictional Impacts:

Interest in Participation by Neighboring Planning Units:

Data sharing within neighboring planning units could improve understanding of the current management of solid waste in the region and potentially be useful for program development within neighboring counties.

Alternatives Available with Participation by Neighboring Planning Units:

Activities associated with this program are not dependent on the participation of neighboring planning units.

Recommendations from Neighboring Planning Units:

N/A

Assessment of Environmental Justice Impacts:

There is no known or expected environmental justice impact in Chautauqua County associated with this program.

Selected Alternatives Identification:

Reasons for Being Chosen:

The County does not currently have available all of the data on waste generated in the Planning Unit, only data from County-run facilities and facilities reporting to the state. Collection of additional data will better inform the County on actual diversion rates and the potential for additional program implementation.

Expected Quantitative and Qualitative Impacts On:

Waste Reduction:

This program is not expected to reduce waste volumes.

Reuse:

No impact.

Materials Recovery:

No impact.

Participation in Recovery Opportunities:

This program is expected to increase the County's knowledge of current participation in recovery options provided in the County.

Product Stewardship:

No measurable impact on product stewardship is expected.

Economic, Administrative, or Partnership Benefits:

Additional administrative efforts will be required for data gathering and analysis. Partnerships with other agencies, private companies, and/or citizen groups may be leveraged to assist with data collection needs.

Identification of Administrative, Contractual, and Financial Requirements for Implementation:

Additional administrative resources will be required to implement the program.

Identification of New or Modified Local Laws, Ordinances, or Regulations Required for Implementation:

Review of the current recycling law should include a component to require reporting by either private haulers or generators of waste and recycables to the County.

| Program Strategy: 9.2 |
|--|
| Title: Data Collection and Evaluation Efforts (Surveys) |
| Administrative/Technical Impacts: |
| Quantitative/Qualitative Impacts on Waste Stream: |
| Improved information on waste management facilities and large waste generators will aid the County in determining |
| where to enhance recycling or diversion efforts that could ultimately help the County achieve diversion goals by |
| providing accurate information on current waste generation and diversion. |
| Types and Sizing of Facilities or Program: |
| No additional infrastructure is required. However, administrative staff may experience increased work load due to the |
| efforts required to obtain, compile, and review additional data. |
| Summary of Cost Data for Evaluation: |
| Costs associated with the program include administrative labor for data gathering and analysis. |
| Impact on Natural Resource Conservation, Energy Production and, Employment: |
| No impacts to natural resource conservation, energy production, or employment are anticipated. |
| Jurisdictional Impacts: |
| Interest in Participation by Neighboring Planning Units: |
| Data sharing within neighboring planning units could improve understanding of the current management of solid waste |
| in the region and potentially be useful for program development within neighboring counties. |
| Alternatives Available with Participation by Neighboring Planning Units: |
| Activities associated with this program are not dependent on the participation of neighboring planning units. |
| Recommendations from Neighboring Planning Units: |
| N/A |
| Assessment of Environmental Justice Impacts: |
| There is no known or expected environmental justice impact in Columbia County associated with this program. |
| Selected Alternatives Identification: |
| Reasons for Being Chosen: |
| |
| The County does not currently have available all of the data about waste management facilities in the County, |
| specifically size, capacity, and operations. This information will be valuable for planning outlets for additional waste and |
| specifically size, capacity, and operations. This information will be valuable for planning outlets for additional waste and recyclable materials collected as part of the other program strategies. |
| specifically size, capacity, and operations. This information will be valuable for planning outlets for additional waste and |
| specifically size, capacity, and operations. This information will be valuable for planning outlets for additional waste and recyclable materials collected as part of the other program strategies. <u>Expected Quantitative and Qualitative Impacts On:</u> <i>Waste Reduction:</i> |
| specifically size, capacity, and operations. This information will be valuable for planning outlets for additional waste and recyclable materials collected as part of the other program strategies. <u>Expected Quantitative and Qualitative Impacts On:</u> |
| specifically size, capacity, and operations. This information will be valuable for planning outlets for additional waste and recyclable materials collected as part of the other program strategies. www.example.com www.example.com www.example.com www.example.com |
| specifically size, capacity, and operations. This information will be valuable for planning outlets for additional waste and recyclable materials collected as part of the other program strategies. Expected Quantitative and Qualitative Impacts On: Waste Reduction: This program is not expected to reduce waste volumes. Reuse: No impact. |
| <pre>specifically size, capacity, and operations. This information will be valuable for planning outlets for additional waste and recyclable materials collected as part of the other program strategies. Expected Quantitative and Qualitative Impacts On: Waste Reduction: This program is not expected to reduce waste volumes. Reuse: No impact. Materials Recovery:</pre> |
| <pre>specifically size, capacity, and operations. This information will be valuable for planning outlets for additional waste and recyclable materials collected as part of the other program strategies. Expected Quantitative and Qualitative Impacts On: Waste Reduction: This program is not expected to reduce waste volumes. Reuse: No impact. Materials Recovery: No impact.</pre> |
| <pre>specifically size, capacity, and operations. This information will be valuable for planning outlets for additional waste and recyclable materials collected as part of the other program strategies. Expected Quantitative and Qualitative Impacts On: Waste Reduction: This program is not expected to reduce waste volumes. Reuse: No impact. Materials Recovery: No impact. Participation in Recovery Opportunities:</pre> |
| <pre>specifically size, capacity, and operations. This information will be valuable for planning outlets for additional waste and recyclable materials collected as part of the other program strategies. <u>Expected Quantitative and Qualitative Impacts On:</u> Waste Reduction: This program is not expected to reduce waste volumes. Reuse: No impact. Materials Recovery: No impact. Participation in Recovery Opportunities: This program is expected to increase the County's knowledge of current participation in recovery options provided in</pre> |
| specifically size, capacity, and operations. This information will be valuable for planning outlets for additional waste and recyclable materials collected as part of the other program strategies. <u>Expected Quantitative and Qualitative Impacts On:</u> <i>Waste Reduction:</i> This program is not expected to reduce waste volumes. <i>Reuse:</i> No impact. <i>Materials Recovery:</i> No impact. <i>Participation in Recovery Opportunities:</i> This program is expected to increase the County's knowledge of current participation in recovery options provided in the County. |
| specifically size, capacity, and operations. This information will be valuable for planning outlets for additional waste and recyclable materials collected as part of the other program strategies. <u>Expected Quantitative and Qualitative Impacts On:</u> <i>Waste Reduction:</i> This program is not expected to reduce waste volumes. <i>Reuse:</i> No impact. <i>Materials Recovery:</i> No impact. <i>Participation in Recovery Opportunities:</i> This program is expected to increase the County's knowledge of current participation in recovery options provided in the County. <i>Product Stewardship:</i> |
| specifically size, capacity, and operations. This information will be valuable for planning outlets for additional waste and recyclable materials collected as part of the other program strategies. <u>Expected Quantitative and Qualitative Impacts On:</u> <i>Waste Reduction:</i> This program is not expected to reduce waste volumes. <i>Reuse:</i> No impact. <i>Materials Recovery:</i> No impact. <i>Participation in Recovery Opportunities:</i> This program is expected to increase the County's knowledge of current participation in recovery options provided in the County. <i>Product Stewardship:</i> No measurable impact on product stewardship is expected. |
| specifically size, capacity, and operations. This information will be valuable for planning outlets for additional waste and recyclable materials collected as part of the other program strategies. <u>Expected Quantitative and Qualitative Impacts On:</u> <i>Waste Reduction:</i> This program is not expected to reduce waste volumes. <i>Reuse:</i> No impact. <i>Materials Recovery:</i> No impact. <i>Participation in Recovery Opportunities:</i> This program is expected to increase the County's knowledge of current participation in recovery options provided in the County. <i>Product Stewardship:</i> No measurable impact on product stewardship is expected. <i>Economic, Administrative, or Partnership Benefits:</i> |
| specifically size, capacity, and operations. This information will be valuable for planning outlets for additional waste and recyclable materials collected as part of the other program strategies. <u>Expected Quantitative and Qualitative Impacts On:</u> <i>Waste Reduction:</i> This program is not expected to reduce waste volumes. <i>Reuse:</i> No impact. <i>Materials Recovery:</i> No impact. <i>Participation in Recovery Opportunities:</i> This program is expected to increase the County's knowledge of current participation in recovery options provided in the County. <i>Product Stewardship:</i> No measurable impact on product stewardship is expected. <i>Economic, Administrative, or Partnership Benefits:</i> Additional administrative efforts will be required for data gathering and analysis. Partnerships with other agencies, |
| specifically size, capacity, and operations. This information will be valuable for planning outlets for additional waste and recyclable materials collected as part of the other program strategies. <u>Expected Quantitative and Qualitative Impacts On:</u> <i>Waste Reduction:</i> This program is not expected to reduce waste volumes. <i>Reuse:</i> No impact. <i>Materials Recovery:</i> No impact. <i>Participation in Recovery Opportunities:</i> This program is expected to increase the County's knowledge of current participation in recovery options provided in the County. <i>Product Stewardship:</i> No measurable impact on product stewardship is expected. <i>Economic, Administrative, or Partnership Benefits:</i> Additional administrative efforts will be required for data gathering and analysis. Partnerships with other agencies, private companies, and/or citizen groups may be levied to assist with data collection needs. |
| specifically size, capacity, and operations. This information will be valuable for planning outlets for additional waste and recyclable materials collected as part of the other program strategies. <u>Expected Quantitative and Qualitative Impacts On:</u> Waste Reduction: This program is not expected to reduce waste volumes. Reuse: No impact. Materials Recovery: No impact. Participation in Recovery Opportunities: This program is expected to increase the County's knowledge of current participation in recovery options provided in the County. Product Stewardship: No measurable impact on product stewardship is expected. Economic, Administrative, or Partnership Benefits: Additional administrative efforts will be required for data gathering and analysis. Partnerships with other agencies, private companies, and/or citizen groups may be levied to assist with data collection needs. Identification of Administrative, Contractual, and Financial Requirements for Implementation: |
| specifically size, capacity, and operations. This information will be valuable for planning outlets for additional waste and recyclable materials collected as part of the other program strategies. <u>Expected Quantitative and Qualitative Impacts On:</u> <i>Waste Reduction:</i> This program is not expected to reduce waste volumes. <i>Reuse:</i> No impact. <i>Materials Recovery:</i> No impact. <i>Participation in Recovery Opportunities:</i> This program is expected to increase the County's knowledge of current participation in recovery options provided in the County. <i>Product Stewardship:</i> No measurable impact on product stewardship is expected. <i>Economic, Administrative, or Partnership Benefits:</i> Additional administrative efforts will be required for data gathering and analysis. Partnerships with other agencies, private companies, and/or citizen groups may be levied to assist with data collection needs. <i>Identification of Administrative, Contractual, and Financial Requirements for Implementation:</i> Additional administrative resources will be required to implement the program. |
| specifically size, capacity, and operations. This information will be valuable for planning outlets for additional waste and recyclable materials collected as part of the other program strategies. <u>Expected Quantitative and Qualitative Impacts On:</u> <i>Waste Reduction:</i> This program is not expected to reduce waste volumes. <i>Reuse:</i> No impact. <i>Materials Recovery:</i> No impact. <i>Participation in Recovery Opportunities:</i> This program is expected to increase the County's knowledge of current participation in recovery options provided in the County. <i>Product Stewardship:</i> No measurable impact on product stewardship is expected. <i>Economic, Administrative, or Partnership Benefits:</i> Additional administrative efforts will be required for data gathering and analysis. Partnerships with other agencies, private companies, and/or citizen groups may be levied to assist with data collection needs. Identification of Administrative resources will be required to implement the program. Identification of New or Modified Local Laws, Ordinances, or Regulations Required for Implementation: |
| specifically size, capacity, and operations. This information will be valuable for planning outlets for additional waste and recyclable materials collected as part of the other program strategies. <u>Expected Quantitative and Qualitative Impacts On:</u> <i>Waste Reduction:</i> This program is not expected to reduce waste volumes. <i>Reuse:</i> No impact. <i>Materials Recovery:</i> No impact. <i>Participation in Recovery Opportunities:</i> This program is expected to increase the County's knowledge of current participation in recovery options provided in the County. <i>Product Stewardship:</i> No measurable impact on product stewardship is expected. <i>Economic, Administrative, or Partnership Benefits:</i> Additional administrative efforts will be required for data gathering and analysis. Partnerships with other agencies, private companies, and/or citizen groups may be levied to assist with data collection needs. <i>Identification of Administrative, Contractual, and Financial Requirements for Implementation:</i> Additional administrative resources will be required to implement the program. |

Program Strategy: 10.1

<u>Title:</u> Improve C&D Debris Reduction (County Bids C&D Debris Reduction Requirement)

Administrative/Technical Impacts:

Quantitative/Qualitative Impacts on Waste Stream:

This program could result in the diversion of C&D debris from disposal facilities.

Types and Sizing of Facilities or Program:

The contemplation of including C&D recovery requirements in municipal bids is not anticipated to not require additional County-run facilities, as the private sector facilities are sufficient.

Summary of Cost Data for Evaluation:

Costs on municipal bids may increase with the inclusion of a C&D debris recovery goal.

Impact on Natural Resource Conservation, Energy Production and, Employment:

Conservation of natural resources would be realized through reuse of natural materials.

Jurisdictional Impacts:

Interest in Participation by Neighboring Planning Units:

No participation by neighboring planning units is anticipated.

Alternatives Available with Participation by Neighboring Planning Units:

Activities associated with this program are not dependent on the participation of neighboring planning units.

Recommendations from Neighboring Planning Units:

N/A

Assessment of Environmental Justice Impacts:

There is no known or expected environmental justice impact in Chautauqua County associated with this program.

Selected Alternatives Identification:

Reasons for Being Chosen:

The County will contemplate the inclusion of a C&D waste reduction policy into its municipal bids, provided that the program is not cost-prohibitive. This program is an opportunity for the County to support the local C&D recyclers and reduce landfilled C&D debris.

Expected Quantitative and Qualitative Impacts On:

Waste Reduction:

This program is anticipated to reduce C&D disposal by <5%.

Reuse:

This program is expected to enhance C&D reuse by <5%.

Materials Recovery:

Expected to enhance C&D recovery by <5%.

Participation in Recovery Opportunities:

Not expected to impact participation.

Product Stewardship:

No measurable impact on product stewardship is expected.

Economic, Administrative, or Partnership Benefits:

Actions are expected to increase the costs of municipal bids by an unknown amount.

Identification of Administrative, Contractual, and Financial Requirements for Implementation:

Additional administrative and financial resources will be required for implementation of this program.

Identification of New or Modified Local Laws, Ordinances, or Regulations Required for Implementation:

Title: Improve C&D Debris Reduction (Deconstruction and Reuse/Recovery Program) Administrative/Technical Impacts: Quantitative/Qualitative Impacts on Waste Stream: This program could result in the diversion of C&D debris from disposal facilities. Types and Sizing of Facilities or Program: The programs the County would consider implementing are anticipated to be programs aimed to increase the collection of reusable or recyclable C&D debris. The existing private sector C&D processing facilities are expected to be sufficient for handling additional materials collected as a result of this program. Summary of Cost Data for Evaluation: There would likely be ongoing administrative costs associated with a new deconstruction ordinance or reuse/recovery program for C&D debris. Impact on Natural Resource Conservation, Energy Production and, Employment: Conservation of natural resources would be realized through reuse of natural materials. urisdictional Impacts: Interest in Participation by Neighboring Planning Units: No participation by neighboring planning units is anticipated. Alternatives Available with Participation by Neighboring Planning Units: Activities associated with this program are not dependent on the participation of neighboring planning units. **Recommendations from Neighboring Planning Units:** Assessment of Environmental Justice Impacts: There is no known or expected environmental justice impact in Chautaugua County associated with this program. Selected Alternatives Identification: **Reasons for Being Chosen:**

10.2

The County will evaluate the feasibility of implementing programs similar to the deconstruction and/or C&D reuse/recovery programs of other planning units. The C&D debris processing facilities required for diversion already exist in the County, so the most effective way to increase C&D diversion is through increasing the C&D going to those facilities. The programs to achieve this could be mandates or educational efforts.

Expected Quantitative and Qualitative Impacts On:

Waste Reduction:

Program Strategy:

This program is anticipated to reduce C&D disposal by <5%.

Reuse:

N/A

This program is expected to enhance C&D reuse by <5%.

Materials Recovery:

Expected to enhance C&D recovery by <5%.

Participation in Recovery Opportunities:

Not expected to impact participation.

Product Stewardship:

No measurable impact on product stewardship is expected.

Economic, Administrative, or Partnership Benefits:

No anticipated impacts beyond potential increased administrative demand.

Identification of Administrative, Contractual, and Financial Requirements for Implementation:

Additional administrative resources will be required for implementation of this program.

Identification of New or Modified Local Laws, Ordinances, or Regulations Required for Implementation:

No new local laws, ordinances, or regulations are identified as necessary at this time. However, the County will be evaluating the feasibility of a deconstruction ordinance.

| Program Stra | ategy: 11 |
|----------------------------------|--|
| Title: Priva ⁺ | te Sector Management and Coordination Opportunities |
| Administrative/ | Technical Impacts: |
| Quantitative/C | Qualitative Impacts on Waste Stream: |
| This program c | ould result in the diversion of additional material streams (specifics still to be determined) not current |
| | County's recycling program. |
| Types and Sizir | ng of Facilities or Program: |
| | nfrastructure is required for this program. |
| Summary of Co | ost Data for Evaluation: |
| - | n other organizations will relieve some cost burden from the County for implementing LSWMP program |
| strategies. Mo | re in-depth analysis of additional partners and funding sources will be explored during the planning |
| period. | |
| | ural Resource Conservation, Energy Production and, Employment: |
| | n and recycling is expected to conserve natural resources. Energy production and job creation is not |
| anticipated. | |
| lurisdictional Im | |
| | cicipation by Neighboring Planning Units: |
| | n by neighboring planning units is anticipated. |
| | vailable with Participation by Neighboring Planning Units: |
| | ciated with this program are not dependent on the participation of neighboring planning units. |
| | ions from Neighboring Planning Units: |
| N/A | |
| | Environmental Justice Impacts: |
| | own or expected environmental justice impact in Columbia County associated with this program. |
| | atives Identification: |
| Reasons for Be | ing Chosen: |
| The County wi | I need financial and administrative support in order to expand its current recycling programs and |
| implement LSV | VMP program strategies and looking to the private sector will be a benefit to the overall program. |
| Expected Quar | ntitative and Qualitative Impacts On: |
| Waste Reduc | tion: |
| Expected to | o reduce waste by <5%. |
| Reuse: | |
| Expected to | enhance reuse by <5%. |
| Materials Re | covery: |
| Expected to | enhance material recovery by <5%. |
| Participation | in Recovery Opportunities: |
| Expected to | o increase participation by <5%. |
| Product Stew | ardship: |
| If the Coun | ty identifies partners in industry or manufacturing, improvements to product stewardship are possible |
| with this pr | ogram. |
| Economic, Ac | Iministrative, or Partnership Benefits: |
| Actions are | expected to increase operational costs, but may be offset by partnering with the private sector to |
| provide full | or partial funding for additional programs. |
| Identification (| of Administrative, Contractual, and Financial Requirements for Implementation: |
| lacitation | |
| | ninistrative and financial resources will be required for implementation of this program. |

| Due en en Chueste anno 12.1 |
|---|
| Program Strategy: 12.1 |
| Title: Review Available Waste Management Technologies |
| Administrative/Technical Impacts: |
| Quantitative/Qualitative Impacts on Waste Stream: |
| No impacts are expected. |
| Types and Sizing of Facilities or Program: |
| No additional infrastructure is required for this review. However, new infrastructure may be needed as a result of this |
| review, if the County decides to go ahead with an available technology. A separate analysis for each proposed technology |
| would be required. |
| Summary of Cost Data for Evaluation: |
| Costs associated with the review include administrative labor and consulting services for review of available technologies. |
| Impact on Natural Resource Conservation, Energy Production and, Employment: |
| Natural resource conservation, energy production, and job creation could be anticipated, depending on the results of the |
| review. |
| Jurisdictional Impacts: |
| Interest in Participation by Neighboring Planning Units: |
| Participation by neighboring planning units would likely be required to make a new available technology economically |
| feasible; however, due to the large geographical size of the counties, interest by neighboring planning units is unlikely, |
| making a centrally located facility infeasible. |
| Alternatives Available with Participation by Neighboring Planning Units: |
| Activities associated with this program are not dependent on the participation of neighboring planning units. |
| Recommendations from Neighboring Planning Units: |
| N/A |
| Assessment of Environmental Justice Impacts: |
| There is no known or expected environmental justice impact in Chautauqua County associated with this program unless a |
| new facility is proposed within an environmental justice area. However, any siting of a new facility would be fully vetted |
| through the SEQR process which would consider environmental justice. |
| Selected Alternatives Identification: |
| Reasons for Being Chosen: |
| Technologies are continuously being improved and tested, therefore, Chautauqua County plans to periodically review |
| technologies available to the County. |
| Expected Quantitative and Qualitative Impacts On: |
| Waste Reduction: |
| No quantifiable impacts are anticipated. |
| Reuse: |
| No quantifiable impacts are anticipated. |
| Materials Recovery: |
| No quantifiable impacts are anticipated. |
| Participation in Recovery Opportunities: |
| No quantifiable impacts are anticipated. |
| Product Stewardship: |
| No quantifiable impacts are anticipated. |
| Economic, Administrative, or Partnership Benefits: |
| Additional administrative efforts will be required for this review. Partnerships with other agencies, private companies, |
| and/or citizen groups may be levied to assist with these needs. |
| Identification of Administrative, Contractual, and Financial Requirements for Implementation: |
| Existing administrative, financial, and contractual structure is sufficient to support the proposed review. |
| Identification of New or Modified Local Laws, Ordinances, or Regulations Required for Implementation: |
| No new local laws, ordinances, or regulations are identified as necessary at this time. |
| the new local laws, or an anones, or regulations are identified as necessary at this time. |

| Implementation Item: 12.2 |
|---|
| Title: Review Waste Disposal Options (Contingency Plan) |
| Administrative/Technical Impacts: |
| Quantitative/Qualitative Impacts on Waste Stream: |
| No impacts are expected. |
| Types and Sizing of Facilities or Program: |
| There is no additional infrastructure needed to support this program. |
| Summary of Cost Data for Evaluation: |
| There will be administrative costs associated with identifying and ranking alternative disposal facilities in the event of the |
| closure of the Chautauqua County Landfill bi-annually. |
| Impact on Natural Resource Conservation, Energy Production and, Employment: |
| Natural resource conservation, energy production, and job creation are not anticipated. |
| Jurisdictional Impacts: |
| Interest in Participation by Neighboring Planning Units: |
| The alternative disposal facilities will most likely be in a neighboring planning unit. |
| Alternatives Available with Participation by Neighboring Planning Units: |
| Contracts with out-of-County disposal facilities will be considered should the non-recyclable/non-recoverable waste generated |
| within the County be greater than the permitted tonnage at the Chautauqua County Landfill. |
| Recommendations from Neighboring Planning Units: |
| N/A |
| Assessment of Environmental Justice Impacts: |
| There is no known or expected environmental justice impact in Chautauqua County associated with this program. |
| Selected Alternatives Identification: |
| Reasons for Being Chosen: |
| While the County has no plans to close the Chautauqua County Landfill, there needs to be a plan in place for the disposal of the |
| County's waste in the event of landfill closure. |
| Expected Quantitative and Qualitative Impacts On: |
| Waste Reduction: |
| No quantifiable impacts are anticipated. |
| Reuse: |
| No quantifiable impacts are anticipated. |
| Materials Recovery: |
| No quantifiable impacts are anticipated. |
| Participation in Recovery Opportunities: |
| No quantifiable impacts are anticipated. |
| Product Stewardship: |
| No measurable impact on product stewardship is expected. |
| Economic, Administrative, or Partnership Benefits: |
| None anticipated. |
| Identification of Administrative, Contractual, and Financial Requirements for Implementation: |
| Existing administrative, financial, and contractual structure is sufficient to support the proposed program. |
| Identification of New or Modified Local Laws, Ordinances, or Regulations Required for Implementation: |
| No new local laws, ordinances, or regulations are identified as necessary at this time. In the event that the Chautauqua Landfill |
| were closed, the local laws would need to be revised to modify the flow control law. |

| Program Strategy: 13.1 |
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| |
| <u>Title:</u> Solid Waste Local Laws (Solid Waste Management and Recycling Law) |
| Administrative/Technical Impacts: |
| Quantitative/Qualitative Impacts on Waste Stream: |
| This review could result in changes to the quality and quantity of materials collected at the County transfer and |
| convenience stations. |
| Types and Sizing of Facilities or Program: |
| There is no additional infrastructure needed to support this review. |
| Summary of Cost Data for Evaluation: |
| Costs associated with the review include administrative labor for review of local solid waste management and recycling |
| law. |
| Impact on Natural Resource Conservation, Energy Production and, Employment: |
| Natural resource conservation, energy production, and job creation are not anticipated. |
| Jurisdictional Impacts: |
| Interest in Participation by Neighboring Planning Units: |
| No participation by neighboring planning units is anticipated. |
| Alternatives Available with Participation by Neighboring Planning Units: |
| Activities associated with this review are not dependent on the participation of neighboring planning units. |
| Recommendations from Neighboring Planning Units: |
| N/A |
| Assessment of Environmental Justice Impacts: |
| There is no known or expected environmental justice impact in Chautauqua County associated with this program. |
| Selected Alternatives Identification: |
| Reasons for Being Chosen: |
| The planning unit, waste generation characteristics, and technology are constantly changing; the County's laws need to |
| evolve with these changes. |
| Expected Quantitative and Qualitative Impacts On: |
| Waste Reduction: |
| This review is not expected to reduce waste volumes; however, depending on the changes there may be an increase |
| in waste reduction. |
| Reuse: |
| |
| Expected to enhance reuse <5%. |
| Materials Recovery: |
| Expected to improve recovery of select waste materials by <5%. |
| Participation in Recovery Opportunities: |
| No measurable impact on participation is expected. |
| Product Stewardship: |
| An increase in product stewardship initiatives could occur as a result of this review. |
| Economic, Administrative, or Partnership Benefits: This review is not expected to result in economic or administrative benefits. |
| |
| <u>Identification of Administrative, Contractual, and Financial Requirements for Implementation:</u> Existing administrative, financial, and contractual structure is sufficient to support the proposed review. |
| EXISTING AUDITION TO A DATE AND CONTRACTUAL STRUCTURE IS SUTLICIENT TO SUDDORT THE DRODOSED REVIEW. |
| |
| <u>Identification of New or Modified Local Laws, Ordinances, or Regulations Required for Implementation:</u> The local solid waste management and recycling law may be modified after this review. |

Program Strategy: 13.2

 Title:
 Solid Waste Local Laws (PV Cell and Wind Turbine Component Recycling Law)

Administrative/Technical Impacts:

Quantitative/Qualitative Impacts on Waste Stream:

This new law could result in increased recyling of PV cells and wind turbine components in the County.

Types and Sizing of Facilities or Program:

The County would need to ensure that facilities to recycle these materials exist prior to passing this legislation.

Summary of Cost Data for Evaluation:

Costs associated with the review include administrative labor for review of existing facilities and writing of this potential new law.

Impact on Natural Resource Conservation, Energy Production and, Employment:

Natural resource conservation, energy production, and job creation are not anticipated.

Jurisdictional Impacts:

Interest in Participation by Neighboring Planning Units:

No participation by neighboring planning units is anticipated.

Alternatives Available with Participation by Neighboring Planning Units:

Activities associated with this review are not dependent on the participation of neighboring planning units.

Recommendations from Neighboring Planning Units:

N/A

Assessment of Environmental Justice Impacts:

There is no known or expected environmental justice impact in Chautauqua County associated with this program.

Selected Alternatives Identification:

Reasons for Being Chosen:

There is an increasing number of solar and wind farms in the County. Wastes associated with these activities will need to be managed in a responsible way.

Expected Quantitative and Qualitative Impacts On:

Waste Reduction:

Not expected to impact waste reduction.

Reuse:

Not expected to impact reuse.

Materials Recovery:

Expected to improve recovery of select waste materials by <5%.

Participation in Recovery Opportunities:

No measurable impact on participation is expected.

Product Stewardship:

An increase in product stewardship initiatives could occur as a result of this review.

Economic, Administrative, or Partnership Benefits:

This review is not expected to result in economic or administrative benefits.

Identification of Administrative, Contractual, and Financial Requirements for Implementation:

Existing administrative, financial, and contractual structure is sufficient to support the proposed review.

Identification of New or Modified Local Laws, Ordinances, or Regulations Required for Implementation:

Legislation may be passed after this review.