



Reducing Our Carbon Footprint

We've cut our carbon footprint in half!

Through low emission landfills, energy efficient facilities and converting our collection fleet to run on CNG, we're constantly improving our environmental impact.





in January 2012, we were recognized by the EPA, the Association of Climate Change Officers (ACCO), the Center for Climate and Energy Solutions (C2ES), and The Climate Registry (TCR) with a Climate Leadership Award for Excellence in GHG Management.

Casella has been focused on reducing its company-wide carbon footprint since 2005. Compared to our 2005 baseline, we have cut our carbon footprint by nearly 50%, while growing our business.

NH Sustainability Award

In 2016, New Hampshire Governor Maggie Hassan presented Casella and Hypertherm with the first ever Partnership for Innovation award for their work and innovation around industrial recycling and waste reduction



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Innovation Award

 In 2013, the American Academy of Environmental Engineers and Scientists recognized our Site Manager Kevin Roy and CMA Engineers for developing "first of its kind" Landfill Based Geothermal Heating System at Casella's NCES site in Bethlehem



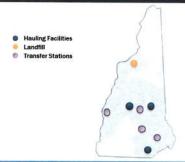
Environmental Stewardship

- Casella is a proud member of NHBSR
- Also an advocate for NHBSR's "Clean Energy Principles" whose mission is to foster "Investments in Clean Energy to Help New Hampshire Businesses Thrive"



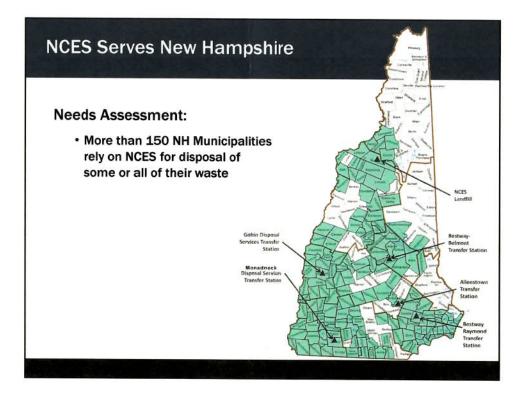
Casella in New Hampshire

- Casella is a regional solid waste resource management company with several operating locations across the state of New Hampshire:
 - Hauling divisions and transfer stations
 - · Owned and operated solid waste disposal facility
- We directly employ 175 professionals across our New Hampshire operations, with an annual payroll of roughly \$10 million.
- We provide solid waste recycling & disposal service to 5,500 businesses and 50,000 households across New Hampshire.



Employment		Annual Economic Impact	Materials Managed on Caselia Trucks o through Facility Infrastructure
Total:	175	Total payroll spend: ~\$10M	Recycling: ~37,000 tons
		Host Community Benefits: ~\$800k	Disposal: ~350,000 tons
		Capital Expenditures: ~\$8M	Transfer Stations: ~215,000 tons
		New Hampshire Taxes: ~\$735k	Direct Land Application: ~14,000 tons
		Commercial Customers: ~17,000	Collection fleet: nearly 100 vehicles
		Residential Customers: ~50,000	

5/30/2019



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Declining Disposal Capacity

Needs Assessment:

- New capacity needed to provide home for waste now being disposed at NCES
- NCES to reach permitted disposal capacity by 2024
- · 21M tons capacity shortfall in NH projected over 20 years
- Likely closure of additional disposal facilities will worsen capacity shortfall

Emerging capacity shortfall in northern NH North Country Environmental Services - Bethlehem, NH

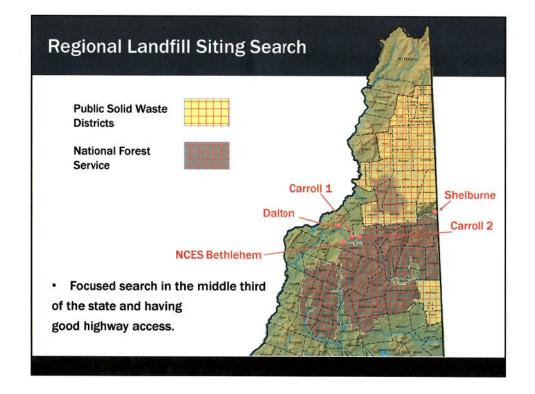
- Bethlehem twice denied zoning that would allow NCES to expand. Site to be at capacity +/- 2024.
- 6 existing landfills in NH with 3 having regional service. 1 Regional WTE.
- NH is lacking capacity
- Other landfills regionally are closing



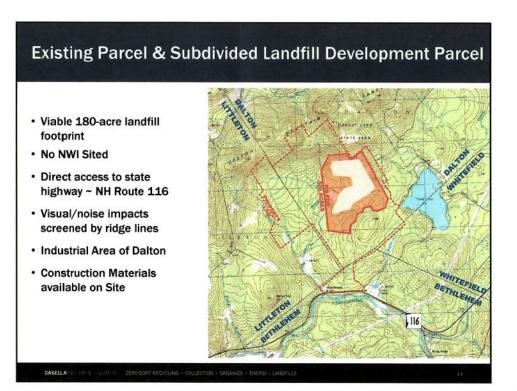
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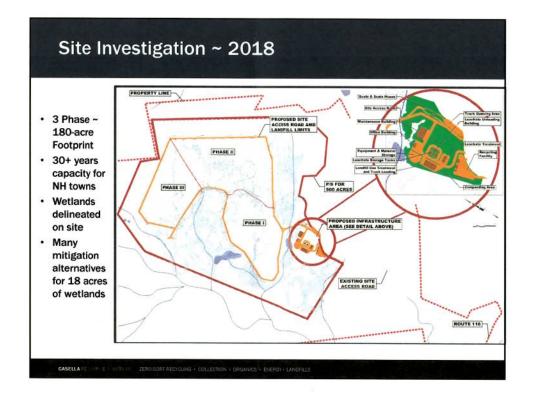


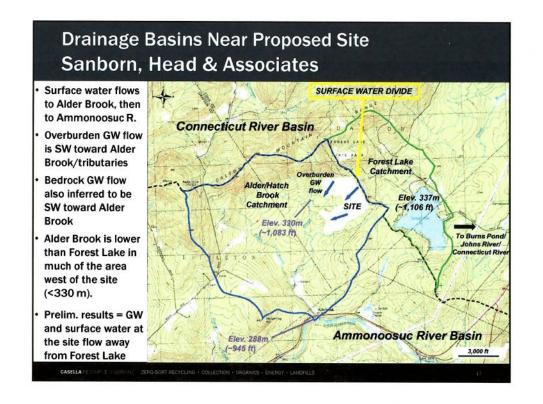


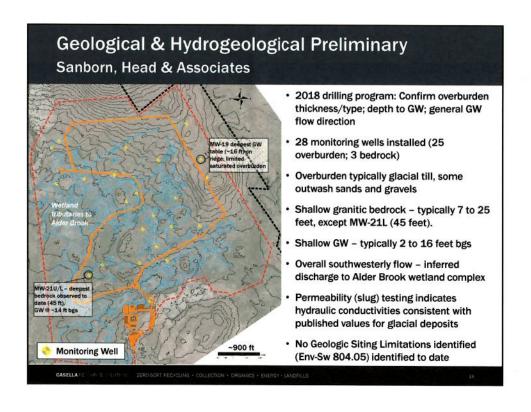
Criteria Assessment: Site is Well Suited for Landfill + +/- 1,800 Acre Site Willing Landowner Direct access to state highway MAIN TRAFFIC ROUTE (RED) NOES SITE CAMILLA SITE AROSONT RESIDENCE AROSONT RESIDENCE ARRANGES - DEEDS - LANGELS CAMILLA SITE AROSONT RESIDENCE AROSONT RESIDENCE ARRANGES - DEEDS - LANGELS CAMILLA SITE AROSONT RESIDENCE AROSONT RESIDENCE ARRANGES - DEEDS - LANGELS CAMILLA SITE AROSONT RESIDENCE AROSONT RESIDENCE ARRANGES - DEEDS - LANGELS CAMILLA SITE AROSONT RESIDENCE AROSONT RESIDENCE ARRANGES - DEEDS - LANGELS CAMILLA SITE AROSONT RESIDENCE AROSONT RESIDENCE ARRANGES - DEEDS - LANGELS CAMILLA SITE AROSONT RESIDENCE AROSONT RESIDENCE ARRANGES - DEEDS - LANGELS CAMILLA SITE AROSONT RESIDENCE AROSONT RESIDENCE ARRANGES - DEEDS - LANGELS CAMILLA SITE AROSONT RESIDENCE AROSONT RESIDENCE ARRANGES - DEEDS - LANGELS CAMILLA SITE AROSONT RESIDENCE AROSONT RESIDENCE ARRANGES - DEEDS - LANGELS CAMILLA SITE AROSONT RESIDENCE AROSONT RESIDENCE ARRANGES - DEEDS - LANGELS CAMILLA SITE AROSONT RESIDENCE AROSONT RESIDENCE ARRANGES - DEEDS - LANGELS CAMILLA SITE AROSONT RESIDENCE AROSONT RESIDENCE ARRANGES - DEEDS - LANGELS CAMILLA SITE AROSONT RESIDENCE AROSONT RESIDENCE ARRANGES - DEEDS - LANGELS CAMILLA SITE AROSONT RESIDENCE AROSONT RESIDENCE ARRANGES - DEEDS - LANGELS CAMILLA SITE AROSONT RESIDENCE AROSONT RESIDENCE ARRANGES - DEEDS - LANGELS CAMILLA SITE AROSONT RESIDENCE ARRANGE - DEEDS - LANGELS CAMILLA SITE AROSONT RESIDENCE ARRANGE - DEEDS - LANGELS CAMILLA SITE AROSONT RESIDENCE ARRANGE - DEEDS - LANGELS CAMILLA SITE AROSONT RESIDENCE ARRANGE - DEEDS - LANGELS CAMILLA SITE AROSONT RESIDENCE ARRANGE - DEEDS - LANGELS CAMILLA SITE AROSONT RESIDENCE - CAMILLA SITE ARRANGE - DEEDS - LANGELS CAMILLA SITE AROSONT RESIDENCE - CAMILLA SITE ARRANGE - DEEDS - LANGELS CAMILLA SITE AROSONT RESIDENCE - CAMILLA SITE ARRANGE - DEEDS - LANGELS CAMILLA SITE AROSONT RESIDENCE - CAMILLA SITE ARRANGE - DEEDS - LANGELS CAMILLA SITE ARRANGE - CAMILLA SITE ARRANGE - DEEDS - LANGELS CA











Wetlands Investigation, Delineation & Mitigation BH Keith Associates

COMPENSATORY MITIGATION OPTIONS

Compensatory wetland mitigation options are to be developed based on the scope of the overall (direct and secondary) impacts to the functions and values of the wetland resources to be affected by the project.

The following Compensatory Mitigation Options are under consideration:

PRESERVATION

- . On-site preservation of remaining lands within the project area.
- Preservation of other Chick lands (eg. land bordering Alder Brook) and/or other lands in the watershed.
- Lands abutting other conservation lands in the Ammonoosuc River watershed within the 4 town area.
- . Lands abutting DES ARM funded conservation projects.
- · NCES Ammonoosuc River land and/or other lands in fee or easement.
- Lands which provide connectivity of habitats containing high priority wetland resources.

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Wetlands Investigation, Delineation & Mitigation Continued

RESTORATION

- · Re-route streams to restore former stream channel/s on site.
- On-site former wetland fill removals and restoration measures.
- · On-site wetland and stream buffer restoration.
- Other off-site restoration opportunities such as dam and curvent removals to enhance equatic passage, floodplain and riverbank restoration and upland buffer restoration.

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Wetlands Investigation, Delineation & Mitigation Continued

CREATION

On-site stormwater treatment wetlands.

On-site sand and gravel pit wetland creation.

IN-LIEU FEE

Options may include financial payment to the DES Aquatic Resource Management (ARM) fund and/or collaborating with others on conservation project/s in the watershed.

COMBINATION

Develop a combination of on-site and off-site mitigation options to meet overall mitigation goals.

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