



Terry Shea
 Technical Specialist, Curbtender
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“Almost every truck that leaves our yard is customized. I have been building a database for our entire product line, evaluating which axle weight ratings give optimal bridge load and axle capacity loads.

We wouldn't have considered doing this before we adopted the TruckScience tool.”

The Curbtender was introduced as the waste industry's first commercially-produced automated side loader in 1978. Curbtender now manufactures a complete line of refuse collection vehicles and employs about 150 people.



Before TruckScience

Terry Shea is responsible for chassis engineering at Curbtender. Before trying the TruckScience Axle Weight Calculator, Terry had been using NTEA's Vehicle Center of Gravity and Axle Weight Calculator.

He was looking for a library of standard chassis information, with a choice of cab-over and conventional graphics, and the ability to import his own bodies. He discovered TruckScience at The Work Truck Show 2019.



Implementing TruckScience

“We implemented the Axle Weight Calculator when we got back from The Work Truck Show. The program is very intuitive and easy to step through, so it was really easy to get up and going.

The TruckScience support team have always responded to my requests quickly. I can do something in an hour now, which would have taken me 3 or 4 hours (or more!) in the past.”



Impact of TruckScience

“I really like that we can combine actual chassis drawings and drawings of our own bodies on the reports the program generates. These reports allow us to demonstrate our recommended wheelbase, the combined center of gravity and estimated legal load, while confirming that our design complies with legal requirements.

We put them out through our sales group to our customers. Our staff are delighted with the quality of the reports and our ability to get them out quickly. As well as helping us to solicit feedback from our customers, they help us to educate sales staff and customers alike.”

Favorite Feature



“Our garbage trucks have a wide range of options. My favorite feature is the ability to add and remove axles and components quickly. We can specify a component's center of gravity and move it around, to see how it affects the achievable payload. We use the program templates to get a quick answer to a what-if scenario, to see what we need to do to maximize the capacity of our trucks.”