



## Legislation Text

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**File #:** 18-0432, **Version:** 1

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**ITEM TITLE:**

Approval to Purchase a Cat 816K Landfill Compactor from NC Machinery in the Amount of \$499,600

**SUBMITTED BY:** Rob Comstock, Public Works Department

**FISCAL NOTES:**

Expenditure Required: \$499,600.00  
Unencumbered Balance: \$500,000.00  
Funding Source: 350-0400-58000

**RECOMMENDATION:**

Administration recommends approval. This is a budgeted item.

**SUMMARY STATEMENT:**

In the 2018 Major Equipment budget there are funds to purchase a late model Caterpillar D8 Dozer that would replace our aging 1984 Caterpillar D8L. The primary use of this D8 dozer is covering and compacting C&D (construction and demolition) materials at the City's C&D Landfill. While the D8 dozer is efficient at mining and spreading cover material it is not efficient at compacting the C&D materials, therefore purchase of a purpose-built Cat 816K Landfill Compactor to accompany the City's current D8L dozer will make an efficient combination. With the addition of the Cat 816K Landfill Compactor the city's current D8L dozer will see less hours put on it, extending its life cycle. Estimates from the manufacturer as well as the engineers are that we would achieve up to 50% more compaction than our current process.

Throughout this last year, meetings with the ADEC and the City's solid waste engineering contractor (HDR) regarding expansion of the C&D Landfill have really brought the importance of being able to efficiently compact (reduce the size) C&D material to the forefront. The more we can compact the C&D materials the longer the life expectancy of the landfill will be.

Proposed future ADEC regulations will require new C&D landfills and expansions to be lined and to collect and treat the water coming from the site. The cost to meet these regulations will be huge. It would cost in excess of \$5 million dollars just to construct a new C&D pit and the added yearly operational costs due to additional water sampling and treatment requirements will be significant.

This Cat 816K Landfill Compactor will be purchased using the NJPA Government Contract.