



Control Number: 49421



Item Number: 225

Addendum StartPage: 0

SOAH DOCKET NO. 473-19-3864  
PUC DOCKET NO. 49421

APPLICATION OF CENTERPOINT § BEFORE THE STATE OFFICE  
ENERGY HOUSTON ELECTRIC, LLC § OF  
FOR AUTHORITY TO CHANGE RATES § ADMINISTRATIVE HEARINGS

May 16, 2019

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TABLE OF CONTENTS

<u>Description</u>	<u>Page</u>
CenterPoint Energy Houston Electric, LLC's Response to City of Houston's Tenth Requests for Information .....	2-68
Certificate of Service .....	69

**CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC**  
**2019 CEHE RATE CASE**  
**DOCKET 49421-SOAH DOCKET NO. 473-19-3864**  
**CITY OF HOUSTON**  
**REQUEST NO.: COH10-01**

**QUESTION:**

Provide CEHE's requested distribution O&M expenses by FERC account and explain the reasons for increase in any account of more than 10% when compared to the levels incurred in 2017.

**ANSWER:**

Provided below are the FERC accounts for the requested distribution O&M expenses which had more than a 10% increase when compared to the levels in 2017. Explanations of the increases are:

5810 – The increase in amounts recorded to FERC 5810 in 2018 is primarily due to increased spend on safety programs, increased labor, and the reclassification of expenses. The increase in labor was the result of increased staffing levels, annual wage increases, and the deferral of costs related to Hurricane Harvey that depressed the costs in this FERC account in 2017. The reclassification of expenses occurred as part of our typical review processes which occasionally identify expenses that need to be reclassified.

5830 – See response to GCCC02-21.

5840 – See response to GCCC02-22.

5860 – See response to GCCC02-23.

5870 – The increase in amounts recorded to FERC 5870 in 2018 is primarily due to labor costs for both union and non-union employees working at distribution service centers. These increases are attributable to increased staffing levels, annual wage increases, employee movements that caused a FERC reclassification of their costs, and the deferral of costs related to Hurricane Harvey that depressed the costs in this FERC account in 2017.

5880 – See response to GCCC02-24

5930 – See response to GCCC02-25.

5940 – See response to GCCC02-26.

5960 – The increase in amounts recorded to FERC 5960 in 2018 is primarily due to a return to normal spend levels for the maintenance of streetlights. The amount recorded in 2017 was abnormally low due to a credit received from one of our vendors that helped offset the O&M cost for typical repairs. The amounts recorded in 2018 represent a more typical spend level for this FERC account.

5970 – See response to GCCC02-27.

**SPONSOR (PREPARER):**  
Kristie Colvin (Kristie Colvin)

**RESPONSIVE DOCUMENTS:**  
None

**CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC  
2019 CEHE RATE CASE  
DOCKET 49421-SOAH DOCKET NO. 473-19-3864**

**CITY OF HOUSTON  
REQUEST NO.: COH10-02**

**QUESTION:**

Explain the basis for the proposed adjustment to test year expenses in FERC account 565.

**ANSWER:**

The adjustment to FERC account 565 is to true-up to the ERCOT Matrix using the proposed update of the charge in the Wholesale Transmission Service (WTS) rate to reflect CenterPoint Houston's current cost of providing this service. See tab 'TCOS Calculation' in the CEHE RFP Workpapers and the direct testimony of Mr. Troxle for the calculation.

**SPONSOR (PREPARER):**

Kristie Colvin (Kristie Colvin)

**RESPONSIVE DOCUMENTS:**

None

**CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC  
2019 CEHE RATE CASE  
DOCKET 49421-SOAH DOCKET NO. 473-19-3864**

**CITY OF HOUSTON  
REQUEST NO.: COH10-03**

**QUESTION:**

Provide CEHE's total capital investment for overhead distribution lines, total overhead distribution line miles, and total customers served from overhead distribution lines at years' end for each year since 2009.

**ANSWER:**

See attachment COH10-03 Attachment 1.xlsx for the total cumulative capital investment for overhead distribution lines as per the SAP Asset Module for asset class E36501 overhead conductor and devices and asset class E36401 poles, towers and fixtures for 2010 through 2018. This attachment also provides the total overhead distribution line miles at years' end. The total customers on the overhead distribution system is provided for August 31 for 2017 and 2018. This number requires a special report and the data for 2010 – 2016 is not available.

**SPONSOR (PREPARER):**

Kristie Colvin/Randal Pryor (Kristie Colvin/Randal Pryor)

**RESPONSIVE DOCUMENTS:**

COH10-03 Attachment 1.xlsx

COH10-3 Attachment 1.xlsx

Capital Investment of Overhead Distribution Lines

Asset Class	Asset Class Description	Cumulative Capital Investment as of Dec. 31, 2010	Cumulative Capital Investment as of Dec. 31, 2011	Cumulative Capital Investment as of Dec. 31, 2012	Cumulative Capital Investment as of Dec. 31, 2013	Cumulative Capital Investment as of Dec. 31, 2014	Cumulative Capital Investment as of Dec. 31, 2015	Cumulative Capital Investment as of Dec. 31, 2016	Cumulative Capital Investment as of Dec. 31, 2017	Cumulative Capital Investment as of Dec. 31, 2018
E36401	Poles, Towers and Fixtures	\$564,949,577	\$582,367,938	\$601,926,703	\$627,095,176	\$671,902,533	\$705,988,200	\$750,701,409	\$793,286,815	\$833,783,399
E36501	Overhead Conductors and Devices	\$719,093,962	\$736,580,533	\$758,400,656	\$791,289,484	\$842,258,608	\$880,109,490	\$923,896,198	\$963,499,466	\$1,006,923,475
<b>Total Capital Investment OH Distribution Lines</b>		<b>\$1,284,043,539</b>	<b>\$1,318,948,471</b>	<b>\$1,360,327,359</b>	<b>\$1,418,384,660</b>	<b>\$1,514,161,141</b>	<b>\$1,586,097,690</b>	<b>\$1,674,597,607</b>	<b>\$1,756,786,281</b>	<b>\$1,840,706,873</b>

Mileage of Overhead Distribution Lines

	2010	2011	2012	2013	2014	2015	2016	2017	2018
12KV Overhead Circuit (Feeder Main)	5,207	5,225	5,238	5,296	5,333	5,392	5,418	5,452	5,488
35KV Overhead Circuit (Feeder Main)	<u>4,041</u>	<u>4,083</u>	<u>4,130</u>	<u>4,230</u>	<u>4,373</u>	<u>4,544</u>	<u>4,694</u>	<u>4,812</u>	<u>4,919</u>
Subtotal Feeder Main	9,248	9,308	9,368	9,526	9,705	9,936	10,112	10,264	10,407
12KV Overhead Primary (Laterals)	9,403	9,404	9,396	9,770	9,693	9,608	9,566	9,532	9,505
35KV Overhead Primary (Laterals)	<u>2,718</u>	<u>2,748</u>	<u>2,754</u>	<u>2,368</u>	<u>2,409</u>	<u>2,442</u>	<u>2,497</u>	<u>2,528</u>	<u>2,580</u>
Subtotal Laterals	12,121	12,151	12,150	12,138	12,102	12,050	12,063	12,060	12,085
<b>Total Miles OH Distribution Lines</b>	<b>21,370</b>	<b>21,459</b>	<b>21,518</b>	<b>21,664</b>	<b>21,807</b>	<b>21,986</b>	<b>22,175</b>	<b>22,325</b>	<b>22,492</b>

Customers on Overhead Distribution Lines

	Customers on OH Distribution Lines Aug 31, 2010	Customers on OH Distribution Lines Aug 31, 2011	Customers on OH Distribution Lines Aug 31, 2012	Customers on OH Distribution Lines Aug 31, 2013	Customers on OH Distribution Lines Aug 31, 2014	Customers on OH Distribution Lines Aug 31, 2015	Customers on OH Distribution Lines Aug 31, 2016	Customers on OH Distribution Lines Aug 31, 2017	Customers on OH Distribution Lines Aug 31, 2018
<b>Total Customers OH Distribution Lines</b>	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	1,078,545	1,081,751

**CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC  
2019 CEHE RATE CASE  
DOCKET 49421-SOAH DOCKET NO. 473-19-3864**

**CITY OF HOUSTON  
REQUEST NO.: COH10-04**

**QUESTION:**

Provide CEHE's total capital investment for underground distribution lines, total underground distribution line miles, and total customers served from underground distribution lines at years' end for each year since 2009.

**ANSWER:**

See attachment COH10-04 Attachment 1.xlsx for the total cumulative capital investment for underground distribution lines as per the SAP Asset Module for asset class E36601 underground conduit and asset class E36701 underground conductors and devices for 2010 through 2018. This will include underground lines and underground residential distribution (URD) loops. This attachment also provides the total underground distribution line miles (UG lines and URD) at years' end. The total customers on the underground distribution system (UG lines and URD) is provided for August 31 for 2017 and 2018. This number requires a special report, which CenterPoint Houston has for 2017 and 2018, but the data for 2010 – 2016 is not available.

**SPONSOR (PREPARER):**

Kristie Colvin/Randal Pryor (Kristie Colvin/Randal Pryor)

**RESPONSIVE DOCUMENTS:**

COH10-04 Attachment 1.xlsx

COH 10-4 Attachment 1.xlsx

**Capital Investment for Underground Lines and Underground Residential Distribution (URD)**

Asset Class	Asset Class Description	Cumulative Capital Investment as of Dec. 31, 2010	Cumulative Capital Investment as of Dec. 31, 2011	Cumulative Capital Investment as of Dec. 31, 2012	Cumulative Capital Investment as of Dec. 31, 2013	Cumulative Capital Investment as of Dec. 31, 2014	Cumulative Capital Investment as of Dec. 31, 2015	Cumulative Capital Investment as of Dec. 31, 2016	Cumulative Capital Investment as of Dec. 31, 2017	Cumulative Capital Investment as of Dec. 31, 2018
E3601	Underground Conduit	\$375,933,002	\$381,550,829	\$394,126,551	\$414,880,789	\$450,419,749	\$496,315,116	\$532,307,462	\$552,963,080	\$588,157,680
E36701	Underground Conductors and Devices	\$679,675,330	\$702,941,273	\$742,155,263	\$771,824,301	\$836,163,687	\$899,126,943	\$954,689,440	\$1,000,359,213	\$1,066,789,520
<b>Total Capital Investment UG Distribution Lines and URD</b>		<b>\$1,055,608,332</b>	<b>\$1,084,492,103</b>	<b>\$1,136,281,814</b>	<b>\$1,186,705,091</b>	<b>\$1,286,583,436</b>	<b>\$1,395,442,058</b>	<b>\$1,486,996,903</b>	<b>\$1,553,322,293</b>	<b>\$1,654,947,200</b>

**Mileage of Underground Distribution Lines and URD)**

	2010	2011	2012	2013	2014	2015	2016	2017	2018
12KV Underground (Feeder Main, Laterals, Totally Underground Ckts)	648	658	670	690.3	712.7	733.3	750.5	767.5	790.9
35KV Underground (Feeder Main, Laterals, Totally Underground Ckts)	280	290	316	350.9	403.3	455.1	502.2	529.2	558.9
Subtotal Underground Primary	928	948	986	1,041	1,116	1,188	1,253	1,297	1,350
12KV Underground Residential Distribution (URD)	2,997	3,005	3,008	3,190	3,021	3,053	3,098	3,199	3,172
35KV Underground Residential Distribution (URD)	5,627	5,753	5,866	5,902	6,296	6,554	6,782	6,978	7,175
Subtotal URD	8,624	8,758	8,874	9,092	9,317	9,607	9,880	10,178	10,347
<b>Mileage for Totally UG Distribution Lines and URD</b>	<b>9,552</b>	<b>9,706</b>	<b>9,860</b>	<b>10,133</b>	<b>10,432</b>	<b>10,796</b>	<b>11,132</b>	<b>11,474</b>	<b>11,697</b>

**Customers on UG Distribution Lines and URD**

	Customers on UG Distribution Lines Aug 31, 2010	Customers on UG Distribution Lines Aug 31, 2011	Customers on UG Distribution Lines Aug 31, 2012	Customers on UG Distribution Lines Aug 31, 2013	Customers on UG Distribution Lines Aug 31, 2014	Customers on UG Distribution Lines Aug 31, 2015	Customers on UG Distribution Lines Aug 31, 2016	Customers on OH Distribution Lines Aug 31, 2017	Customers on UG Distribution Lines Aug 31, 2018
<b>Customers On UG Distribution Lines *</b>	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	12,260	14,488
<b>Customers On URD **</b>	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	1,347,662	1,380,543

\* UG Distribution Lines are primarily found in the designated dedicated underground area which include Downtown, Medical Center, UTMB Galveston, Bush Intercontinental Airport, Hobby Airport, Portions of the Galleria Area, and the Willow/Lone Star College Campus

\*\* URD is comprised of single phase underground loops primarily found in residential subdivisions



**CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC  
2019 CEHE RATE CASE  
DOCKET 49421-SOAH DOCKET NO. 473-19-3864**

**CITY OF HOUSTON  
REQUEST NO.: COH10-05**

**QUESTION:**

Provide the average cost per line mile for new underground distribution lines added on CEHE's system since 2009.

**ANSWER:**

The average cost for new three phase underground distribution lines, based on costs from 2010 to 2018, is approximately \$1,348,000 per mile with capital overhead.

**SPONSOR (PREPARER):**

Randal Pryor (Randal Pryor)

**RESPONSIVE DOCUMENTS:**

None

**CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC  
2019 CEHE RATE CASE  
DOCKET 49421-SOAH DOCKET NO. 473-19-3864**

**CITY OF HOUSTON  
REQUEST NO.: COH10-06**

**QUESTION:**

Provide the average cost per line mile for new overhead distribution lines added on CEHE's system since 2009.

**ANSWER:**

The average cost for new three phase overhead distribution lines, based on costs from 2010 to 2018, is approximately \$193,000 per mile with capital overhead.

**SPONSOR (PREPARER):**

Randal Pryor (Randal Pryor)

**RESPONSIVE DOCUMENTS:**

None

**CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC  
2019 CEHE RATE CASE  
DOCKET 49421-SOAH DOCKET NO. 473-19-3864**

**CITY OF HOUSTON  
REQUEST NO.: COH10-07**

**QUESTION:**

Provide CEHE's policy outlining criteria for deciding whether to add underground or overhead distribution lines for new service.

**ANSWER:**

As per the Company Tariff for Retail Delivery Service, pages 280-282, the Company's standard practice for extending electric service to commercial and industrial Retail Customers is to utilize overhead construction consisting of wood poles and overhead circuits extended to transformer locations acceptable to the Company. Transformers, switches, and protective devices are pole-mounted except when the magnitude of the load requires the installation of this equipment on grade level concrete pads. All Company owned pad mounted equipment must be installed on the Retail Customer's property, and the Retail Customer shall be responsible for granting necessary easements as well as installing, to Company specifications, any concrete encased ducts, pads, and manholes required to accommodate this equipment. The maintenance on this equipment, exclusive of pads of bus connected transformers, will be performed by the Company.

Retail Customer requesting special non-standard underground service arrangements must reimburse the Company for the difference in cost between standard construction, as outlined above, and the requested special non-standard service arrangements. The Retail Customer must install the concrete encased ducts, manholes, switchrooms, transformer vaults, and pads for transformers, switches, and protective devices in accordance with Company specifications. The Company may elect to install any ducts or manholes required in street rights-of-way at Retail Customer expense.

Substantial investments in underground service facilities have been made in certain areas of the Company's distribution system, and overhead service extensions into these areas are impractical and will nullify the benefits of past investments. In consideration of these factors, underground service utilizing one or more circuits with manual switching capabilities is provided in such areas at no cost to the Retail Customer. Special service arrangements, such as redundant transformer installations and automatic circuit transfer designs, are provided at the Company's option on the basis of the Retail Customer reimbursing the Company for the additional cost of the special service arrangement. The Retail Customer must install concrete encased ducts, manholes, switchrooms, transformer vaults, and pads for transformers, switches, and protective devices according to Company specifications.

**SPONSOR (PREPARER):**

Dale Bodden/Julienne Sugarek (Dale Bodden/Julienne Sugarek)

**RESPONSIVE DOCUMENTS:**

None

**CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC  
2019 CEHE RATE CASE  
DOCKET 49421-SOAH DOCKET NO. 473-19-3864**

**CITY OF HOUSTON  
REQUEST NO.: COH10-08**

**QUESTION:**

Provide CEHE's total capital investment for underground distribution lines that replaced existing overhead lines for each year since 2009.

**ANSWER:**

CenterPoint Houston has not replaced any existing overhead distribution lines with underground distribution lines. A subdivision or commercial development may request to put a portion of an overhead line that is adjacent to their property underground, but the customer must pay for the cost to do that work. As such, CenterPoint Houston has no capital investment for underground distribution lines that replaced existing overhead lines since 2009.

**SPONSOR (PREPARER):**

Kristie Colvin/Randal Pryor (Kristie Colvin/Randal Pryor)

**RESPONSIVE DOCUMENTS:**

None

**CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC  
2019 CEHE RATE CASE  
DOCKET 49421-SOAH DOCKET NO. 473-19-3864**

**CITY OF HOUSTON  
REQUEST NO.: COH10-09**

**QUESTION:**

Provide a listing of customers served from dedicated distribution lines placed in service since January of 2010, along with the in-service date, capital cost and any customer contribution in aid of construction for each such line.

**ANSWER:**

See attachment COH10-09 Distribution Lines Serving One Single Customer (Confidential).xlsx for a list of dedicated distribution lines placed in service since January of 2010, along with the in-service date, capital cost and customer contribution in aid of construction for each line.

**The attachment is confidential and is being provided pursuant to the Protective Order issued in Docket No. 49421.**

**SPONSOR (PREPARER):**

Kristie Colvin/Randal Pryor (Kristie Colvin/Randal Pryor)

**RESPONSIVE DOCUMENTS:**

COH10-09 Distribution Lines Serving One Single Customer (Confidential).xlsx

**CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC  
2019 CEHE RATE CASE  
DOCKET 49421-SOAH DOCKET NO. 473-19-3864**

**CITY OF HOUSTON  
REQUEST NO.: COH10-10**

**QUESTION:**

Provide the total customer contribution in aid of construction for transmission lines and facilities for each year since 2009.

**ANSWER:**

The Company's accounting system was updated in 2013. As a result of that update, the Company is able to provide total contribution in aid of construction by function for contributions closed to plant-in-service from 2013 through 2018. A determination of contributions prior to that period has not been made as it would require an analysis that the Company has not already conducted. Please see the chart below for transmission contributions closed to plant-in-service from 2013 through 2018.

Contribution in Aid of Construction

Transmission FERC Accounts

Year	Amount
2013	6,897,140.68
2014	25,148,790.25
2015	2,871,809.45
2016	7,886,147.41
2017	11,070,726.38
2018	9,948,663.73

**SPONSOR (PREPARER):**  
Kristie Colvin (Kristie Colvin)

**RESPONSIVE DOCUMENTS:**  
None

**CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC  
2019 CEHE RATE CASE  
DOCKET 49421-SOAH DOCKET NO. 473-19-3864**

**CITY OF HOUSTON  
REQUEST NO.: COH10-11**

**QUESTION:**

Provide the total customer contribution in aid of construction for distribution lines and facilities for each year since 2009.

**ANSWER:**

The Company's accounting system was updated in 2013. As a result of that update, the Company is able to provide total contribution in aid of construction by function for contributions closed to plant-in-service from 2013 through 2018. A determination of contributions prior to that period has not been made as it would require an analysis that the Company has not already conducted. Please see the chart below for distribution contributions closed to plant-in-service from 2013 through 2018.

Contribution in Aid of  
Construction

Distribution FERC Accounts

Year Amount

2013	34,737,689.34
2014	33,378,363.73
2015	30,531,769.58
2016	54,331,273.40
2017	38,301,335.69
2018	49,716,202.06

**SPONSOR (PREPARER):**  
Kristie Colvin (Kristie Colvin)

**RESPONSIVE DOCUMENTS:**  
None

**CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC  
2019 CEHE RATE CASE  
DOCKET 49421-SOAH DOCKET NO. 473-19-3864**

**CITY OF HOUSTON  
REQUEST NO.: COH10-12**

**QUESTION:**

Reference witness Pryor's WP RMP-2 and provide allocated labor costs included in the total cost of each capital project along with descriptions of the basis for such allocations.

**ANSWER:**

Please see attachment "COH10-12 Attachment 1.xlsx" for a listing of all allocated costs that were applied to capital projects during each year presented in witness Pryor's WP RMP-2 via construction overhead. These costs were applied to active projects during the specified year, but this is not indicative of the year in which the projects were closed to plant-in-service. Labor and other costs are allocated to construction overhead using a fixed percentage that is defined for each individual cost center or via direct assignment based upon actual work. The percentages are reviewed and updated annually to reflect the amount of capital work performed.

**SPONSOR (PREPARER):**

Kristie Colvin (Kristie Colvin)

**RESPONSIVE DOCUMENTS:**

COH10-12 Attachment 1.xlsx



## CenterPoint Energy Houston Electric, LLC

Function	Allocated Costs Applied 2010	Allocated Costs Applied 2011	Allocated Costs Applied 2012	Allocated Costs Applied 2013	Allocated Costs Applied 2014	Allocated Costs Applied 2015	Allocated Costs Applied 2016	Allocated Costs Applied 2017	Allocated Costs Applied 2018
Distribution	28,865,511.33	27,232,511.72	34,422,793.02	43,254,503.64	68,268,104.63	56,426,184.19	51,464,420.11	61,610,787.97	68,738,121.15
Transmission	11,097,549.06	11,634,086.26	16,313,326.32	10,509,882.19	19,017,880.26	17,890,082.83	10,275,839.40	18,614,157.07	21,009,433.12
Substation	8,865,612.30	6,075,849.01	8,244,453.05	10,675,253.70	8,334,350.53	10,557,237.69	15,100,020.78	9,621,687.37	15,870,768.13
Fleet	(5,281.22)	32,964.06	159,176.79	45,832.42	106,558.04	107,991.78	230,347.43	228,644.47	493,936.68
AMS Metering	11,916,861.48	4,443,083.72	1,500,990.63						
AMS Communication	14,383,755.65	19,407,607.23	5,533,739.99	142,865.94					
AMS IT	2,716,397.86	2,854,140.37	402,435.72	365,943.48	161,857.82	(3,288.30)			
IG ADMS		865,731.11	3,294,229.53	4,613,852.13	1,334,186.75				
IG Communications	729,719.26	4,600,630.16	2,456,994.44	1,362,439.39					
IG Substation	274,010.52	650,843.99	752,065.21	(11,718.61)					
IG Distribution	549,731.43	3,413,077.68	1,399,915.94	1,108,646.67					
Back-Up Control Center			2,386,711.84	6,602,946.79	1,330,926.10	1,881,980.64			
Total Allocated Costs	79,393,867.67	81,210,525.31	76,866,832.48	78,670,447.74	98,553,864.13	86,860,188.83	77,070,627.72	90,075,276.88	106,112,259.08

**CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC  
2019 CEHE RATE CASE  
DOCKET 49421-SOAH DOCKET NO. 473-19-3864**

**CITY OF HOUSTON  
REQUEST NO.: COH10-13**

**QUESTION:**

Reference witness Pryor's WP RMP-2 and, for each project described as having a purpose of reliability improvement, provide the estimated reliability improvement and associated customer benefits expected from each project.

**ANSWER:**

CenterPoint Houston has a number of distribution reliability improvement programs. The Pole Maintenance Program, URD Cable Life Extension Program, Meter Maintenance Program, Meter Inspection Program, Tree Trimming Program, Feeder Inspection Program, Pole Top Switch Inspection Program and Service Restoration Process are discussed in detail on pages 33-38 in the testimony of Randal Pryor. The Infra-Red Program, Root Cause Analysis Program, Hot Fuse Program and Distribution Automation Program are discussed in detail on pages 10-15 in the testimony of Julianne Sugarek. All of these programs may result in capital improvements, O&M expenses, or a combination of both. Furthermore, the Company has a Reliability Consultant located at most of the service centers. They investigate and issue work orders to resolve reliability issues that they receive from the call center, the zone engineer, other service consultants, linemen or from customers themselves. The work orders most often involve a capital expenditure involving a line fuse cutout, a lightning arrestor, a transformer, re-conductor or switch.

Substation Operations has several groups that work to resolve reliability issues. As discussed on pages 8-9 of the testimony of Martin Narendorf, the Diagnostic section conducts diagnostic tests on equipment to detect reliability problems before they occur. The Oil Servicing section is responsible for the replacement and installation of substation transformers and all major transformer maintenance and repairs. The Network and SCADA section is responsible for the installation, programming, and security of substation communication network and SCADA systems. The three Maintenance sections are responsible for operating and maintaining the power equipment, and commissioning new and replacement equipment. All of these programs may result in capital improvements, O&M expenses, or a combination of both.

The Company has a comprehensive transmission line inspection and rehabilitation program. Twenty percent of the transmission system is ground inspected and maintained each year. An additional annual aerial patrol for identifying danger trees and imminent transmission line issues is also performed. Any line component that will likely result in an imminent failure is addressed immediately. Transmission poles are inspected on a ten-year basis. All of these programs may result in capital improvements, O&M expenses, or a combination of both.

A list of the capital projects in WP RMP-2 that involve capital reliability work on the distribution, substation or transmission system is provided in attachment COH10-13 WP RMP-2 Reliability Projects Attachment 1.xlsx. Most of these projects are a result of the reliability improvement programs discussed above. The estimated reliability improvement and customer benefits for each of the projects has not been calculated, but all of the capital projects were required to resolve an equipment or facility issue and improve reliability.

**SPONSOR (PREPARER):**

Randal Pryor/Julianne Sugarek/Martin Narendorf (Randal Pryor/Julianne Sugarek/Martin Narendorf)

**RESPONSIVE DOCUMENTS:**

COH10-13 WP RMP-2 Reliability Projects Attachment 1.xlsx

**COH10-13 WP RMP-2 Reliability Projects Attachment 1.xlsx**

<b>Project Number</b>	<b>Description</b>
AB1C	Planned capital replacement or rehabilitation of the overhead distribution system associated with reliability improvement. This includes target top 10% of SAIDI circuits, outage-driven overhead rehab, recurring fuse outages, recurring transformer outages, etc
AB1G	Replacement of CEHE-owned poles found defective that are not part of the Groundline Inspection Program or trouble related.
AB1V	Planned underground residential distribution cable replacement of 12kV and 35kV partial and total loops. Includes: cable relocations, transformer relocation/replacements, raising transformers, and pedestals.
AB1X	Capacitor banks that include the replacement of capital material such as capacitor, vacuum switches, disconnects, controller, etc
AB1Z	Proactive routine capital replacements to the overhead distribution system.
AB48	Install C-truss or other approved brace on CEHE poles identified by the Groundline Inspection Program.
ABCA	Cable Life Extension Program - Testing the condition of underground cable and mitigating components of good cable with a high probability of failure.
AD06	Reactive capitalized replacements that are made to the underground residential distribution system requiring facility replacement. Includes cable replacement, transformers, and other retirement units and their related components.
AD07	Reactive capitalized replacements made to the overhead distribution system requiring facility replacement
AD86	Reactive capitalized replacements made to the overhead distribution system requiring facility replacement resulting from the effects of adverse weather conditions.
CD1T	Reactive capitalized replacements made to the major underground system requiring replacement of equipment, cable or structures in response to "lights out." Also includes replacement of system neutral associated with copper theft.
CE1B	Proactive replacement of major underground equipment, cable or structures.
HLP/00/0011	Unscheduled Substation Corrective Projects- small, unscheduled corrective type projects and unforeseen equipment failures. These projects involve replacement of equipment and or structures.
HLP/00/0012	Scheduled Substation Corrective Projects- small, scheduled corrective projects. These projects involve replacement of equipment and or structures.
HLP/00/0014	Replace the logic cages in aging and/or unreliable SCADA Remote Terminal Units (RTU's).
HLP/00/0054/TR/0001-C	Replace deteriorating transmission facilities that if left in place could lead to outages in the near future and less reliable service.
HLP/00/0054/TR/0009-C	Partial rebuild of 138kV ckt 03J/88B from Alexander Island
HLP/00/0075	This project provides funding for replacement of failed distribution and transmission transformers as well as replacement of failed transmission circuit breakers. (Transformers may be rewound and the rewind would be capitalized).
HLP/00/0187	Replace obsolete and unreliable circuit switchers
HLP/00/0243	Replace or add new fault recorders at selected locations based upon parts availability and evaluated need.

HLP/00/0484	Substation Security Upgrades - Installation of security equipment to control physical and cyber access to CNP substations. This includes: Plant separation fencing, security cameras, & cyber security equipment at various substations. These substations are selected based on risk, vulnerability, and impact as determined by CNP security policies and/or future regulatory requirements.
HLP/00/0582	Install Switch onto Fault (SOTF) relay protection on the 138KV grid
HLP/00/0583/SB	Upgrade relaying in various substations from 3 zone to 4 zone protection
HLP/00/0667	This project is to provide funding for replacement of older 345kV Westinghouse, LWE live-tank breakers with newer SF6 gas puffer design single-break units.
HLP/00/0668	This project is to provide funding for the replacement of 138 KV and 69KV old oil breakers with newer technology SF6 gas breakers.
HLP/00/0672	This program provides for various protection improvements on the substation system. Work covered with these amounts was associated with the installation of a 35kv breaker at Satsuma Substation.
HLP/00/0798	Add dual pilot 138kv line relaying for improved protection and reliability.
HLP/00/0801	Foundation Replacements due to Alkali-Silica Reaction (ASR) in the foundation causing large cracks in the piers/foundations. The reaction cannot be stabilized and is not reversible.
HLP/00/0907	Replacement of transmission facilities CKT 88/03 at Alexander Island due to damage from barge.
HLP/00/0922	Replace support structures on Sharpstown Tap 138KV Ckt 25A for storm hardening.
HLP/00/0922/TR/0004	Hardening of transmission facilities from Gable Street - Franklin - Crocket - Downtown
HLP/00/0936	Substation improvements including Clodine reconfiguration; Heights reconfiguration, Fannin ring bus conversion; Singleton relay panel replacement
HLP/00/1055	Distribution line clearance corrections between transmission and distribution facilities to meet National Electrical Safety Code (NESC) requirements.
HLP/00/1099	Substation Physical Security Enhancement. Replacement of substation facility fencing with more protective fencing to ensure our critical assets receive a greater level of protection.
HLP/00/1247	Rebuild Memorial substation due to extensive damage due to Hurricane Harvey. Rebuild included upgrade of transformers and storm hardening measures to mitigate future flooding issues

**CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC  
2019 CEHE RATE CASE  
DOCKET 49421-SOAH DOCKET NO. 473-19-3864  
CITY OF HOUSTON  
REQUEST NO.: COH10-14**

**QUESTION:**

Provide the annual savings in meter reading O&M expenses resulting from deployment of AMS for each year since 2009.

**ANSWER:**

After negotiation among counsel, City of Houston has agreed to withdraw this request for information.

**SPONSOR (PREPARER):**

John Hudson (John Hudson)

**RESPONSIVE DOCUMENTS:**

None

**CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC  
2019 CEHE RATE CASE  
DOCKET 49421-SOAH DOCKET NO. 473-19-3864**

**CITY OF HOUSTON  
REQUEST NO.: COH10-15**

**QUESTION:**

Provide insurance proceeds for equipment failure, storm damage or other matters by FERC account for each year since 2009 and indicate the portion of total proceeds that have been reflected in the Company's adjusted test year request.

**ANSWER:**

Please see COH10-15 Insurance Proceeds.xlsx for CenterPoint Houston's insurance proceeds for equipment failure, storm damage or other matters by FERC account for each year since 2009. The \$47,665 for the Ulrich Substation will be removed from O&M FERC 9240 in an errata.

**SPONSOR (PREPARER):**

Kristie Colvin/Robert McRae (Kristie Colvin/Robert McRae)

**RESPONSIVE DOCUMENTS:**

COH10-15 Insurance Proceeds.xlsx

**CenterPoint Energy Houston Electric, LLC  
Insurance Proceeds by FERC**

**CenterPoint Houston Property Insurance Proceeds History as of 12/31/2018**

<u>Proceeds</u>				<u>Test Year</u>			
<u>Received Year</u>	<u>Insurance Proceeds</u>	<u>EQUIPMENT DAMAGED</u>	<u>LOCATION</u>	<u>FERC</u>	<u>FERC Description</u>	<u>Notes</u>	
2009 / 2010	\$ 20,385,277.00	HURRICANE IKE - VARIOUS	VARIOUS	N/A	N/A	Returned to ratepayers	
2011	\$ 4,696,056.00	TRANSFORMER - ELECTRICAL	BELLAIRE #1	E36201	SUBSTATION EQUIPMENT (DISTRIBUTION)	Credited to order	
2012	\$ -						
2013	\$ -						
2014	\$ -						
2015	\$ 325,000.00	TRANSFORMER - ELECTRICAL	INTERCONTINENTAL SUBSTATION	E36201	SUBSTATION EQUIPMENT (DISTRIBUTION)	Credited to order	
2016	\$ -						
2017	\$ 2,700,000.00	TRANSFORMER- FAILURE	O'BRIEN SUBSTATION	E35301	SUBSTATION EQUIPMENT (TRANSMISSION)	Credited to order	
	\$ 26,399,420.78	VARIOUS THROUGHOUT GREATER HOUSTON AREA	VARIOUS THROUGHOUT GREATER HOUSTON AREA		See "Harvey" tab for proceeds breakout by FERC		
2017 / 2018							
	\$ 41,448.20			E36201	SUBSTATION EQUIPMENT (DISTRIBUTION)	Credited to order	
	\$ 325,368.36	TRANSFORMER- FAILURE	ULRICH SUBSTATION	1310	Cash	Reclassified to Plant in 2019	
2018	\$ 47,665.43			9240	Maintenance General Plant	Reclassified to Plant in 2019	
Total	\$ 54,920,235.77						

**CenterPoint Energy Houston Electric, LLC  
Insurance Proceeds by FERC**

Hurricane Harvey			
FERC	FERC Description	Insurance Proceeds	Notes
DE36401	DEPR-POLES,TWRS&FIXT	\$ (28,617.22)	Credited to order
DE36501	DEPR-OH CONDUCT DEV	(232,996.42)	Credited to order
DE36601	DEPR-UG CONDUIT	(13,965.97)	Credited to order
DE36701	DEPR-UG CONDUCT/DEV	(73,129.36)	Credited to order
DE36801	DEPR-LINE TRANSFORM	(318,416.21)	Credited to order
DE36901	DEPR-SERVICES	(6,879.14)	Credited to order
DE37301	DEPR-ST LT/SIGNL SYS	(6,879.14)	Credited to order
DE37302	DEPR -SECURITY LIGHT	(6,879.14)	Credited to order
DE39201	DEPR-TRANSP EQUIP	(31,396.08)	Credited to order
DE39701	DEPR-MICROWAVE EQUIP	(86,470.77)	Credited to order
E35301	SUBSTATION EQUIPMENT (TRANMISSION)	(360,947.95)	Credited to order
E35601	O/H CONDUCT/DEVICES	(36,117.43)	Credited to order
E36101	STRUCT. & IMPROVEMTS	(312,392.27)	Credited to order
E36201	SUBSTATION EQUIPMENT (DISTRIBUTION)	(2,314,482.39)	Credited to order
E36401	Poles,Towers,Fixture	(123,755.70)	Credited to order
E36501	O/H CONDUCT DEVICES	(590,046.64)	Credited to order
E36601	UNDERGROUND CONDUIT	(18,716.74)	Credited to order
E36701	U/G CONDUCT/DEVICES	(5,399,761.52)	Credited to order
E36801	LINE TRANSFORMERS	(4,028,822.73)	Credited to order
E36901	SERVICES	(6,260.02)	Credited to order
E39501	LAB EQUIPMENT	(42,986.57)	Credited to order
E39701	MICROWAVE EQUIPMENT	(55,056.04)	Credited to order
<b>Total Capital</b>		<b>(14,094,975.45)</b>	
1823 Other Regulatory Asset		(12,304,445.33)	Credited to the Regulatory Asset
<b>Total O&amp;M Deferred</b>		<b>(12,304,445.33)</b>	
<b>Total Hurricane Harvey Insurance Proceeds</b>		<b>\$ (26,399,420.78)</b>	



**CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC  
2019 CEHE RATE CASE  
DOCKET 49421-SOAH DOCKET NO. 473-19-3864**

**CITY OF HOUSTON  
REQUEST NO.: COH10-16**

**QUESTION:**

Provide the Company's total DCRF revenues by rate class for each year since the DCRF was implemented.

**ANSWER:**

Please see COH04-02 attachment "COH04-02\_DCRF\_TCRF.xlsx" for DCRF revenues by rate class by year.

**SPONSOR (PREPARER):**

Kristie Colvin (Kristie Colvin)

**RESPONSIVE DOCUMENTS:**

None

**CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC  
2019 CEHE RATE CASE  
DOCKET 49421-SOAH DOCKET NO. 473-19-3864**

**CITY OF HOUSTON  
REQUEST NO.: COH10-17**

**QUESTION:**

Reference witness Pryor's WP RMP-2 and provide cost/benefit analysis and other justification supporting the Intelligent Grid (IG) project.

**ANSWER:**

Please see the Direct Testimony of Company witness Shahella James, Exhibit SDJ-1 for the IG Cost Benefit Analysis.

**SPONSOR (PREPARER):**

Shachella James (Shachella James)

**RESPONSIVE DOCUMENTS:**

None

**CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC  
2019 CEHE RATE CASE  
DOCKET 49421-SOAH DOCKET NO. 473-19-3864**

**CITY OF HOUSTON  
REQUEST NO.: COH10-18**

**QUESTION:**

Reference witness Pryor's WP RMP-2 and provide cost/benefit analysis and other justification supporting the "Post AMS" project for each year including the test year.

**ANSWER:**

Please see the response to COH10-17.

**SPONSOR (PREPARER):**

Shachella James (Shachella James)

**RESPONSIVE DOCUMENTS:**

None

**CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC  
2019 CEHE RATE CASE  
DOCKET 49421-SOAH DOCKET NO. 473-19-3864**

**CITY OF HOUSTON  
REQUEST NO.: COH10-19**

**QUESTION:**

Reference witness Pryor's WP RMP-2 and provide specific criteria applied to determine projects that were conducted for "proactive" capital replacements for each listed capital project and projects during the test year having a total cost of more than \$5 million.

**ANSWER:**

Regarding WP RMP-2, see attachment COH 10-19 Proactive Capital Replacements R2.xlsx for a listing of the capital projects during the test year having a total cost of more than \$5 million. The list will indicate whether the project is a proactive capital replacement, yes or no, and for all proactive replacements, the list will provide the specific criteria that is applied to the project.

**SPONSOR (PREPARER):**

Randal Pryor (Randal Pryor)

**RESPONSIVE DOCUMENTS:**

COH10-19 Proactive Capital Replacements R2.xlsx

COH 10-19 Proactive Capital Replacements R2.xlsx

Reference WP RMP-2 and provide specific criteria applied to determine projects that were conducted for "proactive" capital replacements for each project having a total cost of more than \$5M.

Project Number	Description	Additions	Net Salvage	Total	Proactive Capital Replacement (Y or N)	Comment or Proactive Replacement Criteria
AA80	Facilities modifications including fencing, shelving, furniture, etc	40,920,723	-	40,920,723	N	This is for the new Brazoria Service Center with a 2018 expenditure of \$20,279,875 and the \$8,545,652 purchase of the FMC Facility adjacent to the Greenspoint Service Center. These were not proactive replacements. The remaining \$12,095,195 was for reactive/repair projects for roofs, security fencing and furniture.
AB1C	Planned capital replacement or rehabilitation of the overhead distribution system associated with reliability improvement. This includes target top 10% of SAIDI circuits, outage-driven overhead rehab, recurring fuse outages, recurring transformer outages, etc.	13,353,589	4,173,476	17,527,065	Y	The proactive reliability programs such as the Infrared Program, the Hot Fuse Program, the Root Cause Analysis Program for 10% and the 300% circuits, and the Feeder Inspection Programs call for the repair or replacement of damaged capital items.
AB1S	Planned underground residential distribution cable replacement on a one-span basis. Includes spans referred from trouble.	5,011,447	1,440,322	6,451,769	N	Most of the work for this project number is for reactive one span replacements, usually from trouble.
AB1V	Planned underground residential distribution cable replacement of 12kV and 35kV partial and total loops. Includes cable relocations, transformer relocation/replacements, raising transformers, and pedestals.	5,808,963	1,271,258	7,080,220	Y	CEHE has developed a SAP HANNA platform predictive model that uses the following criteria: age, outages, high water outages, length of cable to determine a loop health score. Loops with higher health scores are candidates for proactive assessment in the Cable Life Extension Program. These loops are assessed using a partial discharge at operating voltage, 1.3, and 1.5 times the operating voltage, and providing results of different levels ranging from guarantee, pass or replace. During the assessment, there is also an on-site review of the transformers and terminations. Once the failed cables are identified, work orders are prepared for span replacements, as well as other equipment, transformers or terminations, that needs to be replaced. This process only replaces equipment and cables that are identified as needed vs all assets on the loop.
AB1Z	Proactive routine capital replacements to the overhead distribution system.	8,042,413	2,252,196	10,294,610	N	Field corrective repairs to the overhead system. While this is not proactive, it will result in capital repairs.
AB2G	Replacement of CEHE owned poles based on results of the Groundline Inspection Program.	11,732,946	4,712,149	16,445,095	Y	The criteria for Pole Bracing (Reinforceable Pole) is the reject pole must be sound above and below the ground line area and can support a steel truss to reinforce a damaged ground line section. Reinforceable candidates must have no substantial decay below the excavated area and a minimum sound outer shell of 2" at 26" above the ground and 4" shell at 6'0". No poles that are less than class 2 and hold major equipment (pole top switch, regulator, recloser, IGSD). No 3 phase terminal poles, No double stack poles, No guy poles. No leaning poles 5% or greater. No poles holding 3-250 KVA trfs (or larger) that are smaller than class H2. No freeway, river, railroad or waterway crossings. No poles with a pole top extension. All reject poles that do not fit the criteria for pole bracing, as described above, are replaced as part of the Pole Maintenance Program.
ABCA	Cable Life Extension Program - Testing the condition of underground cable and mitigating components of good cable with a high probability of failure.	21,386,484	-	21,386,484	Y	CEHE has developed a SAP HANNA platform predictive model that uses the following criteria: age, outages, high water outages, length of cable to determine a loop health score. Loops with higher health scores are candidates for proactive assessment in the Cable Life Extension Program. These loops are assessed using a partial discharge at operating voltage, 1.3, and 1.5 times the operating voltage, and providing results of different levels ranging from guarantee, pass or replace. During the assessment, there is also an on-site review of the transformers and terminations. Once the failed cables are identified, work orders are prepared for span replacements, as well as other equipment, transformers or terminations, that needs to be replaced. This process only replaces equipment and cables that are identified as needed vs all assets on the loop.

AD06	Reactive capitalized replacements that are made to the underground residential distribution system requiring facility replacement. Includes cable replacement, transformers, and other retirement units and their related components	12,035,519	2,537,354	14,572,873	N	URD replacements due to trouble
AD07	Reactive capitalized replacements made to the overhead distribution system requiring facility replacement	13,543,649	3,361,961	16,905,611	N	Reactive capital replacements due to trouble
AD3D	The relocation of CEHE overhead distribution facilities generally five poles or more, due to customer request, including city, state, and/or federal government infrastructure improvement projects such as road widening or roadway improvements	4,815,019	1,236,468	6,051,488	N	Road Widening
AD86	Reactive capitalized replacements made to the overhead distribution system requiring facility replacement resulting from the effects of adverse weather conditions	5,602,000	1,536,622	7,138,622	N	Service Restoration
AF1A	Planned additions/improvements to the 12kV and 35kV overhead distribution system feeder mains as called for in Planning Issued Distribution Development Plans	17,988,369	3,716,979	21,705,349	N	Load Growth
AF1H	Overhead services to new customers or adding facilities to accommodate additional load to an existing customer	36,250,682	2,403,480	38,654,163	N	Load Growth / New Service
AF1U	Underground Residential Distribution services to new customers	35,457,339	319,674	35,777,013	N	Load Growth / New Service
AF1Z	Only for the installation of overhead service drops and meters to a new customer or service drop replacement to an existing customer adding load where no other facilities are involved	8,241,424	-	8,241,424	N	Load Growth / New Service
AF2A	Unplanned additions/improvements to the 12kV and 35kV overhead distribution system feeder mains relating to area load growth, in conjunction with providing service to customers	17,298,701	1,634,047	18,932,749	N	Load Growth
CD1T	Reactive capitalized replacements made to the major underground system requiring replacement of equipment, cable or structures in response to "lights out." Also includes replacement of system neutral associated with copper theft	8,093,581	728,566	8,822,147	N	Service Restoration
CE1B	Proactive replacement of major underground equipment, cable or structures	10,683,464	536,681	11,220,145	Y	Proactive Major Underground equipment replacement includes leaking or damaged transformers. It also includes replacement of switches, breakers, interrupters or other equipment that is obsolete with no available replacement parts and a history of misoperations or failures. Cable replacement is based on cable type and age. All butyl and lead covered cable that is well beyond 30 years old is being proactively replaced because of increased failure rates. Other cable with known water, fuel or other contamination issues or spans with a high failure history are planned for replacement also. Underground structure failures includes manhole, pull hole, street vault or ductbank failures. These failures are almost always age related and are repaired or replaced because of loss of use or safety concerns.
CF1R	New major underground services to customers that require three-phase underground facilities to serve their electrical load	13,724,018	(396,862)	13,327,156	N	Load Growth
CG1R	Relocation of major underground facilities for road widening, light rail, etc. Includes relocation of overhead to underground at customer's request	17,157,602	(425,333)	16,732,268	N	Road Widening
DB17	Replacement of streetlight standards and/or luminaires as a result of failure or damage. Does not include area lighting	4,719,588	345,976	5,065,564	N	Streetlight repairs
DB18	Streetlight LED Replacement- Program replacement of high pressure sodium, metal halide, and mercury vapor streetlight luminaires with LED streetlight luminaires	16,370,189	(3,105)	16,367,085	Y	Proactive capital replacement of older streetlights based on the agreement between CEHE and the City of Houston. Other cities and home associations can elect to participate.
DB2H	Replacement of streetlight standards due to cable cuts	7,360,646	2,842,173	10,202,819	N	Repairs
DF1U	Streetlight New Installations - Installation of new streetlight standards, and/or luminaires, associated wiring and equipment driven by customer requests for new streetlights	14,016,708	13	14,016,721	N	New installations, not replacements
FLEET	Purchase of Vehicles and Power Operated Equipment	23,532,641	(686,006)	22,846,635	Y	See response to COH 10-21 for the guidelines for proactive fleet replacement

HLP/00/0054/TR/0001-C	Replace deteriorating transmission facilities that if left in place could lead to outages in the near future and less reliable service	10,615,000	2,134,425	12,749,425	N	Reactive replacement of deteriorated facilities
HLP/00/0075	This project provides funding for replacement of failed distribution and transmission transformers as well as replacement of failed transmission circuit breakers (Transformers may be rewound and the rewind would be capitalized)	29,544,709	17,769	29,562,477	N	Replacement of failed transformers
HLP/00/0717	Work to provide distribution service for FAA required lighting on structures installed as part of the Brazos Valley Interconnection project	172,413,595	1,212,302	173,625,897	N	Work associated with a new project, no replacement
HLP/00/0926	Distribution work to support Freeport area projects	22,137,837	1,639,879	23,777,716	N	Load Growth
HLP/00/0932	Interconnection to provide service to generation as required by ERCOT procedure and PUC regulations. Construction and Interconnection of Freeport LNG PTS Generator Oyster Creek	5,086,435	-	5,086,435	N	Interconnection of new generation
HLP/00/0986	Deepwater Area Conversions. Project includes Convert 69kV CHANEL to 138 kV and connect to ckt 70, Loop ckt 94 L College tap - Witter tap into Deepwater, Convert 69kV MOCHEM to 138 kV and connect to ckt 70, Convert 69kV TXPET to 138 kV and connect to ckt 70	6,691,650	1,008,949	7,700,599	N	Conversion from 69KV to 138KV for load growth
HLP/00/1054	Raise 345KV ckt 97 & 99 THWharton-Cedar Bayou to mitigate ground clearance issues	21,599,093	-	21,599,093	N	Ground Clearance issues
HLP/00/1084	New VILLAGE CREEK substation. Purchase of property for new Village Creek distribution substation to support load growth	13,457,075	-	13,457,075	N	Load Growth
HLP/00/1087	ARCOLA-Add Transformer and Feeders, Work to add transformer and feeders at Arcola substation to support load growth	5,307,247	-	5,307,247	N	Load Growth
HLP/00/1114	Upgrade transmission ckt 05 Southwyck-Friendswood Tap-Webster	5,676,000	112,481	5,788,482	N	Load Growth
HLP/00/1122	Build a new Retneve 138kV substation and tie to TNP near West Columbia to provide a third source for the Phillips Sweeny plant	7,200,466	-	7,200,466	N	Load Growth
HLP/00/1127	Install a new 3rd 800MVA autotransformer at Zenith substation	12,139,806	-	12,139,806	N	Load Growth
HLP/00/1144	Rebuild CKTD4 Wood H-Frame and 1050' span tower sections from Amoco - Mustang - Algoa Corner using new DT-850 towers	8,538,420	336,989	8,875,409	N	Improvements, not replacements
HLP/00/1190	Upgrade transmission Ckt 87 from CedarBayou to Artek as well as supporting substation upgrades	4,800,686	327,151	5,127,838	N	Load Growth
HLP/00/1247	Rebuild Memorial substation due to extensive damage due to Hurricane Harvey. Rebuild included upgrade of transformers and storm hardening measures to mitigate future flooding issues	13,285,426	-	13,285,426	N	Rebuild due to damage from Hurricane Harvey
HXSf	Field Metering - Purchase of in-service metering equipment	6,050,141	-	6,050,141	N	New meters for load growth or maintenance
IG	Intelligent Grid Project provides enhanced monitoring, interrogation, and control capability of the distribution grid. The project consists of installation and integration of the Advanced Distribution Management System (ADMS) and installation of field infrastructure	11,638,006	649,820	12,287,826	N	New project
Post AMS	Project for the deployment of approximately 2.4 million advanced meters and the associated telecommunications and information systems to support the functions of the meters. Also includes additional systems and enhancements to our existing systems to support the AMS meters such as hardware to support storage of AMS information, enhancements to the interface platform that allows AMS systems to communicate with other CenterPoint Electric systems, enhancements to the customer information system to support AMS, enhancements to support analytics utilizing AMS data, and enhancements to SmartMeter Texas to support new market requirements. These costs were not included in the AMS surcharge	6,068,462	(225,191)	5,843,271	Y	In 2018, Telecom started the replacement of the WiMAX radio system used to transport Cell Relay data. This is a result of the WiMAX radio system being obsolete, no longer supported by manufacturer and replacement parts becoming increasingly difficult to find. The WiMAX radio system is being replaced by radios utilizing 700MHz spectrum. This project will continue thru 2021. All other capital investments for this project deal with software and other enhancements.
S/101320/CG/WELSH	Capital improvements of the shared Welsh DC tie line facilities	9,767,117	-	9,767,117	N	Improvements, not replacements

**CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC  
2019 CEHE RATE CASE  
DOCKET 49421-SOAH DOCKET NO. 473-19-3864**

**CITY OF HOUSTON  
REQUEST NO.: COH10-20**

**QUESTION:**

Reference witness Pryor's WP RMP-2 and provide the number of vehicles purchased each year including the test year under the "FLEET" project and list the type and cost of each vehicle that cost more than \$30,000 in each year.

**ANSWER:**

Please see COH10-20 Attachment 1.

**SPONSOR (PREPARER):**  
Randal Pryor (Randal Pryor)

**RESPONSIVE DOCUMENTS:**  
COH10-20 Attachment 1.xlsx



<b>YEAR</b>	<b>NUMBER OF VEHICLES PURCHASED</b>
<b>2010</b>	<b>69</b>
<b>2011</b>	<b>132</b>
<b>2012</b>	<b>170</b>
<b>2013</b>	<b>65</b>
<b>2014</b>	<b>230</b>
<b>2015</b>	<b>165</b>
<b>2016</b>	<b>131</b>
<b>2017</b>	<b>47</b>
<b>2018</b>	<b>275</b>

**2010 Fleet Purchases over \$30,000 per Unit**

Unit	Description	AcquistnValue	Object type	Object Category
6136	2011 FORD F250	\$ 39,411.87	Trk 3/4 ton w/o body	Light Fleet
6146	2011 FORD F250	\$ 37,878.80	Trk 3/4 ton w/o body	Light Fleet
3650	2009 INTERNATIONAL 4300	\$ 157,789.22	Trk w/Double Bucket	Heavy Fleet
3651	2009 INTERNATIONAL 4300	\$ 164,958.22	Trk w/Double Bucket	Heavy Fleet
8650	2010 CATERPILLAR FORKLIFT	\$ 142,779.02	Eq Forklifts	Equipment
3132	2010 DODGE RAM 5500	\$ 62,406.31	Trk w/Single Bucket	Medium Fleet
3134	2010 DODGE RAM 5500	\$ 72,468.13	Trk w/Single Bucket	Medium Fleet
2873	2010 DODGE RAM 5500	\$ 56,905.29	Trk w/ mtrl Stk Bed	Medium Fleet
2771	2010 DODGE RAM 5500	\$ 59,664.69	Trk w/ mtrl Stk Bed	Medium Fleet
2742	2010 DODGE RAM 5500	\$ 58,424.81	Trk w/ mtrl Stk Bed	Medium Fleet
1599	2010 FORD F150	\$ 38,029.26	Trk 1/2 ton	Light Fleet
1651	2010 FORD F150	\$ 33,461.77	Trk 1/2 ton	Light Fleet
1799	2010 FORD F150	\$ 31,674.45	Trk 1/2 ton	Light Fleet
1814	2010 FORD F150	\$ 35,345.77	Trk 1/2 ton	Light Fleet
1846	2010 FORD F150	\$ 34,810.30	Trk 1/2 ton	Light Fleet
6056	2011 FORD F250	\$ 39,663.74	Trk 3/4 ton w/o body	Light Fleet
7153	2009 WAGNER SMITH TVBWPT34072	\$ 173,391.05	Trlr w/spcl mntd eq	Equipment
3956	2011 FORD F550	\$ 98,239.44	Trk w/Single Bucket	Medium Fleet
2361	2011 FORD F550	\$ 52,657.24	Trk >1 ton w/ body	Medium Fleet
3101	2010 HINO 338	\$ 110,879.62	Trk w/Single Bucket	Heavy Fleet
3100	2010 HINO 338	\$ 100,754.41	Trk w/Single Bucket	Heavy Fleet
2466	2010 FORD E350 VAN	\$ 53,233.68	Van Full Size	Medium Fleet
3074	2010 FORD F550	\$ 97,058.25	Trk w/Single Bucket	Medium Fleet
8025	2010 CATERPILLAR FORKLIFT	\$ 147,201.06	Eq Forklifts	Equipment
8014	2011 CATERPILLAR FORKLIFT	\$ 161,488.31	Eq Forklifts	Equipment
7497	2010 SATELLITE TRAILER	\$ 192,896.09	Trlr w/spcl mntd eq	Equipment
7035	2011 HENCK PURIFICATION TRAILER	\$ 387,992.00	Trailer-semi	Equipment

**2011 Fleet Purchases over \$30,000 per Unit**

Unit	Description	AcquistnValue	Object type	Object Category
3023	2010 DODGE RAM 5500	\$ 72,663.81	Trk w/Single Bucket	Medium Fleet
3104	2010 DODGE RAM 5500	\$ 85,275.48	Trk w/Single Bucket	Medium Fleet
2737	2010 DODGE RAM 5500	\$ 78,644.29	Trk >1 ton w/ body	Medium Fleet
3105	2011 FORD F750	\$ 104,659.84	Trk w/Single Bucket	Heavy Fleet
3087	2011 FORD F750	\$ 159,582.28	Trk w/Single Bucket	Heavy Fleet
3086	2011 FORD F750	\$ 159,194.42	Trk w/Single Bucket	Heavy Fleet
3241	2011 FORD F750	\$ 160,274.27	Trk w/Single Bucket	Heavy Fleet
5084	2011 WESTERN STAR WB109066S	\$ 524,386.67	Trk w/Bkt >90ft	Heavy Fleet
3139	2011 FREIGHTLINER M2106	\$ 173,450.07	Trk w/ Digger Derrick	Heavy Fleet
3138	2011 FREIGHTLINER M2106	\$ 198,870.08	Trk w/Double Bucket	Heavy Fleet
3270	2011 FREIGHTLINER M2106	\$ 201,527.84	Trk w/ Digger Derrick	Heavy Fleet
3294	2011 FREIGHTLINER M2106	\$ 186,840.20	Trk w/ Digger Derrick	Heavy Fleet
3113	2010 FORD F750	\$ 72,745.38	Trk w/ mtrl Stk Bed	Heavy Fleet
2483	2011 DODGE RAM 4500	\$ 57,715.42	Trk >1 ton w/ body	Medium Fleet
2482	2011 DODGE RAM 4500	\$ 57,625.44	Trk >1 ton w/ body	Medium Fleet
2479	2011 DODGE RAM 4500	\$ 58,516.21	Trk >1 ton w/ body	Medium Fleet
2490	2011 DODGE RAM 4500	\$ 60,181.54	Trk w/ mtd Special Eq	Medium Fleet
2549	2011 DODGE RAM 4500	\$ 57,782.09	Trk >1 ton w/ body	Medium Fleet
2421	2011 DODGE RAM 4500	\$ 60,795.92	Trk >1 ton w/ body	Medium Fleet
2456	2011 DODGE RAM 4500	\$ 57,638.83	Trk w/ mtd Special Eq	Medium Fleet
2493	2011 DODGE RAM 4500	\$ 57,218.12	Trk >1 ton w/ body	Medium Fleet
2492	2011 DODGE RAM 4500	\$ 59,066.54	Trk >1 ton w/ body	Medium Fleet
2534	2011 DODGE RAM 4500	\$ 59,496.27	Trk >1 ton w/ body	Medium Fleet
2533	2011 DODGE RAM 4500	\$ 59,606.11	Trk >1 ton w/ body	Medium Fleet
2810	2011 DODGE RAM 4500	\$ 57,429.29	Trk >1 ton w/ body	Medium Fleet
2809	2011 DODGE RAM 4500	\$ 57,569.86	Trk >1 ton w/ body	Medium Fleet
2119	2011 FORD E350	\$ 30,551.67	Van Full Size	Medium Fleet
3079	2011 DODGE RAM 5500	\$ 99,856.40	Trk w/Single Bucket	Medium Fleet
3073	2011 FORD F750	\$ 203,591.93	Trk w/Double Bucket	Heavy Fleet
3238	2009 FORD F750	\$ 222,008.77	Trk w/ Digger Derrick	Heavy Fleet
2173	2011 DODGE RAM 5500	\$ 62,967.14	Trk w/ mtrl Stk Bed	Medium Fleet
2134	2011 DODGE RAM 5500	\$ 62,597.97	Trk w/ mtrl Stk Bed	Medium Fleet

**2011 Fleet Purchases over \$30,000 per Unit**

Unit	Description	AcquistnValue	Object type	Object Category
3126	2011 DODGE RAM 5500	\$ 121,819.38	Trk w/Single Bucket	Medium Fleet
3142	2011 DODGE RAM 5500	\$ 119,228.97	Trk w/Single Bucket	Medium Fleet
3144	2010 FORD F750	\$ 166,197.61	Trk w/ Mounted Crane	Heavy Fleet
3143	2011 FORD F750	\$ 190,290.54	Trk w/Single Bucket	Heavy Fleet
3203	2011 DODGE RAM 5500	\$ 120,507.90	Trk w/Single Bucket	Medium Fleet
2367	2011 FORD F350	\$ 49,535.55	Trk 1 ton w/ body	Medium Fleet
2368	2011 FORD F350	\$ 51,100.50	Trk 1 ton w/ body	Medium Fleet
2359	2011 FORD F350	\$ 44,198.43	Trk 1 ton w/ body	Medium Fleet
3076	2011 KENWORTH T800	\$ 131,454.98	Trk Tractor	Heavy Fleet
3071	2011 KENWORTH T800	\$ 132,225.65	Trk Tractor	Heavy Fleet
8030	2010 ADVANCE EXTERRA SWEEPER	\$ 33,066.06	Misc self propelled	Equipment
8057	2011 GENIE MANLIFT	\$ 60,985.54	Equip man lift	Equipment
6049	2011 FORD F250	\$ 41,497.93	Trk 3/4 ton w/o body	Light Fleet
3080	2011 DODGE RAM 5500	\$ 96,154.14	Trk w/Single Bucket	Medium Fleet
3081	2011 DODGE RAM 5500	\$ 117,450.04	Trk w/Single Bucket	Medium Fleet
8782	2010 HYSTER FORKLIFT	\$ 30,484.60	Eq Forklifts	Equipment
3278	2010 DODGE RAM 4500	\$ 80,607.54	Trk w/Single Bucket	Medium Fleet
6051	2011 FORD F250	\$ 37,615.64	Trk 3/4 ton w/o body	Light Fleet
6052	2011 FORD F250	\$ 40,860.42	Trk 3/4 ton w/o body	Light Fleet
3090	2011 DODGE RAM 5500	\$ 111,744.27	Trk w/Single Bucket	Medium Fleet
3095	2011 DODGE RAM 5500	\$ 82,985.88	Trk w/Single Bucket	Medium Fleet
7998	2011 FABRIQUE RADIO TOWER TRAILER	\$ 90,325.41	Trlr w/spcl mntd eq	Equipment
7702	2004 POWER WASHER TRAILER	\$ 70,021.76	Trlr w/spcl mntd eq	Equipment
3404	2012 DODGE RAM 5500	\$ 102,101.33	Trk w/Single Bucket	Medium Fleet
8727	2011 GENIE MANLIFT	\$ 60,761.86	Equip man lift	Equipment
8095	2011 CATERPILLAR FORKLIFT	\$ 37,023.64	Eq Forklifts	Equipment
8096	2011 CATERPILLAR FORKLIFT	\$ 33,186.06	Eq Forklifts	Equipment
8097	2011 CATERPILLAR FORKLIFT	\$ 33,186.06	Eq Forklifts	Equipment
3441	2011 DODGE RAM 5500	\$ 113,077.99	Trk w/Single Bucket	Medium Fleet
6047	2011 FORD F250	\$ 35,913.28	Trk 3/4 ton w/o body	Light Fleet
0232	2010 FORD F150	\$ 30,820.88	Trk 1/2 ton	Light Fleet
3814	2008 STERLING ACTERRA	\$ 141,471.56	Trk w/ Digger Derrick	Heavy Fleet
2164	2009 DODGE RAM 5500	\$ 100,859.88	Trk >1 ton w/ body	Medium Fleet
7848	2009 BIG TEX EQUIPMENT TRAILER	\$ 67,969.49	Trailer load bearing	Equipment

**2011 Fleet Purchases over \$30,000 per Unit**

Unit	Description	AcquistnValue	Object type	Object Category
7849	2009 BIG TEX EQUIPMENT TRAILER	\$ 71,375.79	Trailer load bearing	Equipment
3049	2009 FORD F750	\$ 95,204.60	Trk w/Single Bucket	Heavy Fleet
3052	2009 DODGE RAM 5500	\$ 60,975.30	Trk w/Single Bucket	Medium Fleet
3059	2009 DODGE RAM 5500	\$ 74,439.91	Trk w/Single Bucket	Medium Fleet
3568	2009 FORD F750	\$ 104,805.36	Trk w/Single Bucket	Heavy Fleet
3569	2009 FORD F750	\$ 136,831.35	Trk w/Single Bucket	Heavy Fleet
2043	2010 FORD F350	\$ 47,368.67	Trk 1 ton w/ body	Medium Fleet
2045	2010 FORD F350	\$ 44,391.52	Trk 1 ton w/ body	Medium Fleet
2057	2010 FORD F350	\$ 43,210.42	Trk 1 ton w/ body	Medium Fleet
2067	2010 FORD F350	\$ 44,196.69	Trk 1 ton w/ body	Medium Fleet
2069	2010 FORD F350	\$ 45,136.24	Trk 1 ton w/ body	Medium Fleet
2071	2010 FORD F350	\$ 46,491.54	Trk 1 ton w/ body	Medium Fleet
2076	2010 FORD F350	\$ 44,350.00	Trk 1 ton w/ body	Medium Fleet
2080	2010 FORD F350	\$ 54,843.30	Trk 1 ton w/ body	Medium Fleet
2082	2010 FORD F350	\$ 51,108.87	Trk 1 ton w/ body	Medium Fleet
2084	2010 FORD F350	\$ 53,700.23	Trk 1 ton w/ body	Medium Fleet
2144	2010 FORD F350	\$ 46,414.81	Trk 1 ton w/ body	Medium Fleet
2146	2010 FORD F350	\$ 51,875.74	Trk 1 ton w/ body	Medium Fleet
2150	2010 FORD F350	\$ 42,989.87	Trk 1 ton w/ body	Medium Fleet
2295	2010 FORD F350	\$ 41,824.14	Trk 1 ton w/ body	Medium Fleet
2291	2010 FORD F350	\$ 43,758.01	Trk 1 ton w/ body	Medium Fleet
2716	2010 FORD F350	\$ 44,628.50	Trk 1 ton w/ body	Medium Fleet
3526	2010 KENWORTH T800	\$ 197,437.49	Trk Tractor	Heavy Fleet
2093	2010 FORD F350	\$ 36,667.63	Trk 1 ton w/ body	Medium Fleet
2003	2010 FORD F350	\$ 40,444.83	Trk 1 ton w/ body	Medium Fleet
2019	2010 FORD F550	\$ 56,066.80	Trk >1 ton w/ body	Medium Fleet
2535	2010 FORD F350	\$ 53,845.13	Trk 1 ton w/ body	Medium Fleet
3922	2010 PETERBILT 365	\$ 341,311.77	Trk w/ Mounted Crane	Heavy Fleet

**2012 Fleet Purchases over \$30,000 per Unit**

Unit	Description	AcquistnValue	Object type	Object Category
2376	2010 FORD F350	\$ 45,570.62	Trk 1 ton w/ body	Medium Fleet
2496	2010 FORD F350	\$ 45,523.00	Trk 1 ton w/ body	Medium Fleet
3135	2011 FORD F750	\$ 240,463.64	Trk w/Double Bucket	Heavy Fleet
3107	2011 FORD F750	\$ 129,325.98	Trk w/Single Bucket	Heavy Fleet
3108	2011 FORD F750	\$ 132,386.42	Trk w/Single Bucket	Heavy Fleet
3140	2011 FREIGHTLINER M2106	\$ 273,834.19	Trk w/Double Bucket	Heavy Fleet
3244	2009 FORD F750	\$ 213,965.89	Trk w/ Digger Derrick	Heavy Fleet
3066	2011 FREIGHTLINER M2106	\$ 271,377.41	Trk w/ Digger Derrick	Heavy Fleet
2370	2011 FORD F350	\$ 48,305.13	Trk 1 ton w/ body	Medium Fleet
3279	2010 DODGE RAM 4500	\$ 86,420.23	Trk w/Single Bucket	Medium Fleet
3096	2011 DODGE RAM 5500	\$ 84,547.51	Trk w/Single Bucket	Medium Fleet
3110	2012 FREIGHTLINER M2106	\$ 276,640.93	Trk w/Double Bucket	Heavy Fleet
3111	2012 FREIGHTLINER M2106	\$ 277,302.20	Trk w/Double Bucket	Heavy Fleet
3115	2012 FREIGHTLINER M2106	\$ 286,567.94	Trk w/Double Bucket	Heavy Fleet
3117	2012 FREIGHTLINER M2106	\$ 275,056.05	Trk w/Double Bucket	Heavy Fleet
3118	2012 FREIGHTLINER M2106	\$ 272,920.95	Trk w/Double Bucket	Heavy Fleet
3119	2012 FREIGHTLINER M2106	\$ 272,895.66	Trk w/Double Bucket	Heavy Fleet
5085	2012 WESTERN STAR 4900SA	\$ 575,854.98	Trk w/Bkt >90ft	Heavy Fleet
5086	2012 WESTERN STAR 4900SA	\$ 575,731.14	Trk w/Bkt >90ft	Heavy Fleet
3120	2011 DODGE RAM 5500	\$ 116,544.32	Trk w/Single Bucket	Medium Fleet
3127	2011 DODGE RAM 5500	\$ 75,483.25	Trk w/Single Bucket	Medium Fleet
3128	2011 DODGE RAM 5500	\$ 74,948.08	Trk w/Single Bucket	Medium Fleet
3146	2011 DODGE RAM 5500	\$ 83,561.46	Trk w/Single Bucket	Medium Fleet
2471	2011 FORD F350	\$ 57,550.78	Trk 1 ton w/ body	Medium Fleet
2486	2011 FORD F350	\$ 51,038.27	Trk 1 ton w/ body	Medium Fleet
2487	2011 FORD F350	\$ 50,132.45	Trk 1 ton w/ body	Medium Fleet
2494	2011 FORD F350	\$ 55,624.36	Trk 1 ton w/ body	Medium Fleet
2495	2012 FORD F550	\$ 87,778.28	Trk >1 ton w/ body	Medium Fleet
3067	2012 FREIGHTLINER M2106	\$ 227,971.37	Trk w/ Digger Derrick	Heavy Fleet
3068	2012 FREIGHTLINER M2106	\$ 242,282.78	Trk w/ Digger Derrick	Heavy Fleet

**2012 Fleet Purchases over \$30,000 per Unit**

Unit	Description	AcquistnValue	Object type	Object Category
3069	2012 FREIGHTLINER M2106	\$ 242,559.46	Trk w/ Digger Derrick	Heavy Fleet
3070	2012 FREIGHTLINER M2106	\$ 230,956.00	Trk w/ Digger Derrick	Heavy Fleet
3075	2012 FREIGHTLINER M2106	\$ 229,473.29	Trk w/ Digger Derrick	Heavy Fleet
3097	2012 FREIGHTLINER M2106	\$ 243,060.73	Trk w/ Digger Derrick	Heavy Fleet
3182	2012 FREIGHTLINER M2106	\$ 129,280.81	Trk w/Single Bucket	Heavy Fleet
3184	2012 FREIGHTLINER M2106	\$ 118,410.31	Trk w/Single Bucket	Heavy Fleet
3185	2012 FREIGHTLINER M2106	\$ 156,057.85	Trk w/Single Bucket	Heavy Fleet
3188	2012 FREIGHTLINER M2106	\$ 122,262.11	Trk w/Single Bucket	Heavy Fleet
6650	2012 FORD F250	\$ 51,740.65	Trk 3/4 ton w/o body	Light Fleet
6651	2012 FORD F250	\$ 39,803.04	Trk 3/4 ton w/o body	Light Fleet
2206	2012 FORD F350	\$ 52,996.49	Trk 1 ton w/ body	Medium Fleet
3688	2012 FREIGHTLINER M2106	\$ 404,909.14	Trk w/ mtd Special Eq	Heavy Fleet
2207	2012 DODGE RAM 4500	\$ 68,244.47	Trk >1 ton w/ body	Medium Fleet
2420	2012 DODGE RAM 4500	\$ 66,508.15	Trk w/ mtd Special Eq	Medium Fleet
2454	2012 DODGE RAM 4500	\$ 66,763.79	Trk w/ mtd Special Eq	Medium Fleet
2532	2012 DODGE RAM 4500	\$ 67,172.79	Trk w/ mtd Special Eq	Medium Fleet
2520	2012 DODGE RAM 4500	\$ 67,302.39	Trk w/ mtd Special Eq	Medium Fleet
2791	2012 DODGE RAM 4500	\$ 68,274.67	Trk >1 ton w/ body	Medium Fleet
2174	2012 DODGE RAM 4500	\$ 66,727.21	Trk >1 ton w/ body	Medium Fleet
3318	2012 FREIGHTLINER M2106	\$ 219,458.07	Trk w/ Mounted Crane	Heavy Fleet
3315	2012 KENWORTH T800SH	\$ 167,367.82	Trk Tractor	Heavy Fleet
2184	2012 DODGE RAM 5500	\$ 113,480.61	Trk w/ mtd. Aircompsr	Medium Fleet
2187	2012 DODGE RAM 5500	\$ 103,001.63	Trk w/ mtd. Aircompsr	Medium Fleet
2188	2012 DODGE RAM 5500	\$ 109,007.61	Trk >1 ton w/ body	Medium Fleet
2195	2012 DODGE RAM 5500	\$ 111,389.22	Trk >1 ton w/ body	Medium Fleet
2198	2012 DODGE RAM 5500	\$ 110,686.28	Trk >1 ton w/ body	Medium Fleet
2183	2012 CHEVROLET EXPRESS VAN	\$ 56,931.33	Van Full Size	Light Fleet
2203	2012 CHEVROLET EXPRESS VAN	\$ 57,202.17	Van Full Size	Light Fleet
8993	2012 CATERPILLAR FORKLIFT	\$ 35,144.10	Eq Forklifts	Equipment
5200	2011 KIMBLE CONDOR	\$ 1,059,952.47	Trk w/Bkt >90ft	Heavy Fleet
8818	2012 CATERPILLAR FORKLIFT	\$ 42,182.27	Eq Forklifts	Equipment
8824	2012 CATERPILLAR FORKLIFT	\$ 62,141.96	Eq Forklifts	Equipment

**2012 Fleet Purchases over \$30,000 per Unit**

Unit	Description	AcquistnValue	Object type	Object Category
8825	2012 CATERPILLAR FORKLIFT	\$ 35,090.57	Eq Forklifts	Equipment
6841	2012 FORD F250	\$ 42,126.90	Trk 3/4 ton w/o body	Light Fleet
6842	2012 FORD F250	\$ 43,300.31	Trk 3/4 ton w/o body	Light Fleet
6843	2012 FORD F250	\$ 47,221.89	Trk 3/4 ton w/o body	Light Fleet
8949	2012 CATERPILLAR FORKLIFT	\$ 50,987.74	Eq Forklifts	Equipment
6981	2012 FORD F250	\$ 59,337.14	Trk 3/4 ton w/o body	Light Fleet
6985	2012 FORD F250	\$ 42,633.79	Trk 3/4 ton w/o body	Light Fleet
6986	2012 FORD F250	\$ 40,786.22	Trk 3/4 ton w/o body	Light Fleet
6512	2012 FORD F250	\$ 35,925.20	Trk 3/4 ton w/o body	Light Fleet
1824	2012 FORD F150	\$ 31,818.16	Trk 1/2 ton	Light Fleet
7740	2012 DEJANA REEL HANDLER	\$ 203,240.86	Eq Winder/Tensioner	Equipment
3652	2012 FORD F550	\$ 130,056.80	Trk w/Single Bucket	Medium Fleet
3653	2012 FORD F550	\$ 127,776.33	Trk w/Single Bucket	Medium Fleet
3533	2013 KENWORTH T800	\$ 213,698.80	Trk Tractor	Heavy Fleet
8523	2012 BALDOR GENERATOR TRAILER	\$ 34,438.91	Trlr w/spcl mntd eq	Equipment
5656	2012 PETERBILT 365	\$ 352,439.86	Trk w/ Mounted Crane	Heavy Fleet
8125	2012 CATERPILLAR FORKLIFT	\$ 65,347.22	Eq Forklifts	Equipment
8130	2012 JOHN DEERE WHEEL LOADER	\$ 197,784.20	Eq lodr/tractr/bkhoe	Equipment
7920	2012 DILO SF6 GAS RECLAIMER TRAILER	\$ 130,465.54	Trlr w/spcl mntd eq	Equipment
7921	2012 DILO SF6 GAS RECLAIMER TRAILER	\$ 130,465.54	Trlr w/spcl mntd eq	Equipment
7922	2012 DILO SF6 GAS RECLAIMER TRAILER	\$ 130,465.54	Trlr w/spcl mntd eq	Equipment
8255	2012 CATERPILLAR FORKLIFT	\$ 35,165.36	Eq Forklifts	Equipment
8258	2012 CATERPILLAR FORKLIFT	\$ 34,593.69	Eq Forklifts	Equipment
8259	2012 CATERPILLAR FORKLIFT	\$ 35,786.60	Eq Forklifts	Equipment
8528	2012 CATERPILLAR BULLDOZER	\$ 230,738.47	Eq constr. DZR/grder	Equipment
8538	2012 CATERPILLAR BULLDOZER	\$ 621,755.37	Eq constr. DZR/grder	Equipment
8534	2012 NEW HOLLAND WORKMASTER TRACTOR	\$ 31,807.00	Eq lodr/tractr/bkhoe	Equipment
5009	2012 CATERPILLAR BULLDOZER	\$ 229,975.10	Eq constr. DZR/grder	Equipment
8923	2012 CATERPILLAR FORKLIFT	\$ 162,235.84	Eq Forklifts	Equipment
0188	2011 CHEVROLET VOLT	\$ 38,507.43	Car	Light Fleet



**2013 Fleet Purchases over \$30,000 per Unit**

Unit	Description	AcquistnValue	Object type	Object Category
8823	2013 RAYMOND ORDER PICKER	\$ 33,402.27	Equip man lift	Equipment
7741	2013 DEJANA HUB DRIVE CABLE TRAILER	\$ 199,251.97	Eq Winder/Tensioner	Equipment
8124	2010 WAGNER SMITH TENSIONER	\$ 414,972.55	Eq Winder/Tensioner	Equipment
7538	2013 DEJANA HUB DRIVE CABLE TRAILER	\$ 199,366.81	Eq Winder/Tensioner	Equipment
9982	2013 DODGE RAM 5500	\$ 54,708.88	Trk >1 ton w/ body	Medium Fleet
9983	2012 DODGE RAM 5500	\$ 61,863.63	Trk >1 ton w/ body	Medium Fleet
9984	2012 DODGE RAM 5500	\$ 58,530.14	Trk >1 ton w/ body	Medium Fleet
9985	2012 DODGE RAM 5500	\$ 57,049.45	Trk >1 ton w/ body	Medium Fleet
9986	2012 DODGE RAM 5500	\$ 57,736.12	Trk >1 ton w/ body	Medium Fleet
9987	2012 DODGE RAM 5500	\$ 58,733.85	Trk >1 ton w/ body	Medium Fleet
9988	2012 DODGE RAM 5500	\$ 54,776.72	Trk >1 ton w/ body	Medium Fleet
9989	2013 DODGE RAM 5500	\$ 57,600.02	Trk >1 ton w/ body	Medium Fleet
9990	2013 DODGE RAM 5500	\$ 54,593.77	Trk >1 ton w/ body	Medium Fleet
3660	2013 FREIGHTLINER M2106	\$ 240,670.69	Trk w/Double Bucket	Heavy Fleet
3672	2013 FREIGHTLINER M2106	\$ 240,240.94	Trk w/Double Bucket	Heavy Fleet
3698	2013 FREIGHTLINER M2106	\$ 239,253.63	Trk w/Double Bucket	Heavy Fleet
3717	2013 FREIGHTLINER M2106	\$ 239,875.81	Trk w/Double Bucket	Heavy Fleet
3743	2013 FREIGHTLINER M2106	\$ 238,975.11	Trk w/Double Bucket	Heavy Fleet
8857	2012 CATERPILLAR FORKLIFT	\$ 65,788.03	Eq Forklifts	Equipment
8275	2013 CATERPILLAR FORKLIFT	\$ 38,231.34	Eq Forklifts	Equipment
3801	2013 FREIGHTLINER M2106	\$ 240,075.35	Trk w/Double Bucket	Heavy Fleet
3803	2013 FREIGHTLINER M2106	\$ 238,702.97	Trk w/Double Bucket	Heavy Fleet
3836	2012 FORD F550	\$ 110,666.61	Trk w/Single Bucket	Medium Fleet
6684	2013 FORD F250	\$ 33,143.68	Trk 3/4 ton w/o body	Light Fleet
3869	2012 FORD F550	\$ 114,880.12	Trk w/Single Bucket	Medium Fleet
3870	2012 FORD F550	\$ 119,044.64	Trk w/Single Bucket	Medium Fleet
3881	2012 FORD F550	\$ 115,267.88	Trk w/Single Bucket	Medium Fleet
3882	2012 FORD F550	\$ 115,002.61	Trk w/Single Bucket	Medium Fleet
2037	2013 FORD F350	\$ 50,823.00	Trk 1 ton w/ body	Medium Fleet
1967	2013 FORD F150	\$ 30,620.95	Trk 1/2 ton	Light Fleet

**2013 Fleet Purchases over \$30,000 per Unit**

Unit	Description	AcquistnValue	Object type	Object Category
6565	2012 FORD F250	\$ 49,369.24	Trk 3/4 ton w/o body	Light Fleet
8547	2013 CATERPILLAR FORKLIFT	\$ 49,141.54	Eq Forklifts	Equipment
8556	2013 CATERPILLAR FORKLIFT	\$ 49,026.75	Eq Forklifts	Equipment
6880	2013 FORD F250	\$ 48,251.55	Trk 3/4 ton w/o body	Light Fleet
6881	2013 FORD F250	\$ 48,522.28	Trk 3/4 ton w/o body	Light Fleet
6882	2013 FORD F250	\$ 49,407.26	Trk 3/4 ton w/o body	Light Fleet
2895	2013 FORD F550	\$ 72,323.07	Trk >1 ton w/ body	Medium Fleet
2404	2013 FORD F350	\$ 54,252.66	Trk 1 ton w/ body	Medium Fleet
2208	2013 FORD F350	\$ 53,454.90	Trk 1 ton w/ body	Medium Fleet
2160	2013 FORD F350	\$ 53,926.85	Trk 1 ton w/ body	Medium Fleet
2090	2013 FORD F350	\$ 54,316.09	Trk 1 ton w/ body	Medium Fleet
9950	2013 FORD F350	\$ 54,809.80	Trk 1 ton w/ body	Medium Fleet
9951	2013 FORD F350	\$ 54,087.47	Trk 1 ton w/ body	Medium Fleet
9952	2013 FORD F350	\$ 52,905.89	Trk 1 ton w/ body	Medium Fleet
9953	2013 FORD F350	\$ 53,047.36	Trk 1 ton w/ body	Medium Fleet
9954	2013 FORD F350	\$ 53,085.35	Trk 1 ton w/ body	Medium Fleet
8558	2013 CATERPILLAR FORKLIFT	\$ 42,216.20	Eq Forklifts	Equipment
5588	2012 PRINOTH GT3000	\$ 677,674.76	Trk w/Bkt >90ft	Heavy Fleet
7769	2012 PUBLIC SAFETY TRAILER	\$ 30,296.22	Trlr w/spcl mntd eq	Equipment
6930	2013 FORD F250	\$ 40,190.20	Trk 3/4 ton w/o body	Light Fleet
6939	2013 FORD F250	\$ 42,278.64	Trk 3/4 ton w/o body	Light Fleet
8766	2013 CATERPILLAR FORKLIFT	\$ 38,997.46	Eq Forklifts	Equipment
8477	2013 GORMAN RUPP WATER PUMP	\$ 33,385.09	Trlr w/spcl mntd eq	Equipment
5400	2013 TADANO MANTIS CRAWLER CRANE	\$ 760,510.47	Eq crane tire track	Equipment
3788	2013 FORD F550	\$ 114,246.14	Trk w/Single Bucket	Medium Fleet
3789	2013 FORD F550	\$ 115,318.19	Trk w/Single Bucket	Medium Fleet
7616	2013 TOP HAT TRAILER	\$ 153,182.04	Trailer load bearing	Equipment
2176	2013 FORD E350	\$ 31,386.00	Van Full Size	Medium Fleet
9965	2014 FORD F450	\$ 65,886.59	Trk >1 ton w/ body	Medium Fleet
8715	2013 CATERPILLAR FORKLIFT	\$ 162,047.09	Eq Forklifts	Equipment
1705	2013 FORD F150	\$ 34,224.35	Trk 1/2 ton	Light Fleet
1306	2013 FORD F150	\$ 37,759.67	Trk 1/2 ton	Light Fleet

**2013 Fleet Purchases over \$30,000 per Unit**

Unit	Description	AcquistnValue	Object type	Object Category
1316	2013 FORD F150	\$ 30,251.00	Trk 1/2 ton	Light Fleet
1317	2013 FORD F150	\$ 30,586.73	Trk 1/2 ton	Light Fleet

**2014 Fleet Purchases over \$30,000 per Unit**

Unit	Description	AcquistnValue	Object type	Object Category
3611	2014 KENWORTH T800	\$ 317,257.06	Trk w/ Mounted Crane	Heavy Fleet
3615	2014 KENWORTH T800	\$ 296,777.91	Trk w/ Mounted Crane	Heavy Fleet
3085	2014 FREIGHTLINER M2106	\$ 240,775.57	Trk w/Double Bucket	Heavy Fleet
3098	2014 FREIGHTLINER M2106	\$ 241,004.03	Trk w/Double Bucket	Heavy Fleet
3116	2014 FREIGHTLINER M2106	\$ 243,617.92	Trk w/Double Bucket	Heavy Fleet
3129	2014 FREIGHTLINER M2106	\$ 241,319.38	Trk w/Double Bucket	Heavy Fleet
3148	2014 FREIGHTLINER M2106	\$ 239,137.08	Trk w/Double Bucket	Heavy Fleet
3149	2014 FREIGHTLINER M2106	\$ 241,262.01	Trk w/Double Bucket	Heavy Fleet
3150	2014 FREIGHTLINER M2106	\$ 347,113.40	Trk w/ Digger Derrick	Heavy Fleet
3151	2014 FREIGHTLINER M2106	\$ 351,544.67	Trk w/ Digger Derrick	Heavy Fleet
3152	2014 FREIGHTLINER M2106	\$ 348,287.10	Trk w/ Digger Derrick	Heavy Fleet
3153	2014 FREIGHTLINER M2106	\$ 330,595.19	Trk w/ Digger Derrick	Heavy Fleet
3154	2014 FREIGHTLINER M2106	\$ 348,651.56	Trk w/ Digger Derrick	Heavy Fleet
3923	2014 FREIGHTLINER M2106	\$ 182,134.93	Trk w/Single Bucket	Heavy Fleet
3927	2014 FREIGHTLINER M2106	\$ 182,567.55	Trk w/Single Bucket	Heavy Fleet
3933	2014 FREIGHTLINER M2106	\$ 183,554.20	Trk w/Single Bucket	Heavy Fleet
3936	2014 FREIGHTLINER M2106	\$ 182,202.96	Trk w/Single Bucket	Heavy Fleet
3910	2013 DODGE RAM 5500	\$ 138,436.44	Trk w/Single Bucket	Medium Fleet
3917	2013 DODGE RAM 5500	\$ 138,972.79	Trk w/Single Bucket	Medium Fleet
3918	2013 DODGE RAM 5500	\$ 138,322.64	Trk w/Single Bucket	Medium Fleet
3920	2013 DODGE RAM 5500	\$ 138,574.90	Trk w/Single Bucket	Medium Fleet
3921	2013 DODGE RAM 5500	\$ 140,071.87	Trk w/Single Bucket	Medium Fleet
5151	2013 CONDOR C3100	\$ 1,086,523.75	Trk w/Bkt >90ft	Heavy Fleet
3567	2013 DODGE RAM 5500	\$ 139,130.82	Trk w/Single Bucket	Medium Fleet
3579	2013 DODGE RAM 5500	\$ 139,354.48	Trk w/Single Bucket	Medium Fleet
3583	2013 DODGE RAM 5500	\$ 138,257.73	Trk w/Single Bucket	Medium Fleet
3590	2013 DODGE RAM 5500	\$ 139,269.23	Trk w/Single Bucket	Medium Fleet
3594	2013 DODGE RAM 5500	\$ 139,221.30	Trk w/Single Bucket	Medium Fleet
3596	2013 DODGE RAM 5500	\$ 138,928.04	Trk w/Single Bucket	Medium Fleet
3597	2013 DODGE RAM 5500	\$ 138,709.62	Trk w/Single Bucket	Medium Fleet

**2014 Fleet Purchases over \$30,000 per Unit**

Unit	Description	AcquistnValue	Object type	Object Category
3613	2013 DODGE RAM 5500	\$ 139,359.53	Trk w/Single Bucket	Medium Fleet
3617	2013 DODGE RAM 5500	\$ 141,257.55	Trk w/Single Bucket	Medium Fleet
3620	2013 DODGE RAM 5500	\$ 139,842.13	Trk w/Single Bucket	Medium Fleet
3621	2013 DODGE RAM 5500	\$ 139,343.69	Trk w/Single Bucket	Medium Fleet
3623	2013 DODGE RAM 5500	\$ 138,842.46	Trk w/Single Bucket	Medium Fleet
3624	2013 DODGE RAM 5500	\$ 139,325.03	Trk w/Single Bucket	Medium Fleet
3626	2013 DODGE RAM 5500	\$ 141,847.09	Trk w/Single Bucket	Medium Fleet
3627	2013 DODGE RAM 5500	\$ 140,110.17	Trk w/Single Bucket	Medium Fleet
3630	2013 DODGE RAM 5500	\$ 138,542.98	Trk w/Single Bucket	Medium Fleet
3631	2013 DODGE RAM 5500	\$ 139,401.29	Trk w/Single Bucket	Medium Fleet
3632	2013 DODGE RAM 5500	\$ 141,158.61	Trk w/Single Bucket	Medium Fleet
3634	2014 FREIGHTLINER M2106	\$ 188,684.30	Trk w/Single Bucket	Heavy Fleet
3637	2014 FREIGHTLINER M2106	\$ 188,289.09	Trk w/Single Bucket	Heavy Fleet
3638	2014 FREIGHTLINER M2106	\$ 187,603.56	Trk w/Single Bucket	Heavy Fleet
3640	2014 FREIGHTLINER M2106	\$ 188,241.84	Trk w/Single Bucket	Heavy Fleet
3641	2014 FREIGHTLINER M2106	\$ 180,388.42	Trk w/Single Bucket	Heavy Fleet
3560	2014 KENWORTH T800	\$ 176,380.99	Trk Tractor	Heavy Fleet
7722	2014 INTERSTATE LOWBOY TRAILER	\$ 49,552.27	Trailer load bearing	Equipment
7723	2013 DEJANA HUB DRIVE TRAILER	\$ 262,092.67	Eq Winder/Tensioner	Equipment
7724	2014 DEJANA HUB DRIVE TRAILER	\$ 260,573.44	Eq Winder/Tensioner	Equipment
3791	2014 FREIGHTLINER M2106	\$ 226,474.29	Trk w/Single Bucket	Heavy Fleet
3793	2014 FREIGHTLINER M2106	\$ 226,269.60	Trk w/Single Bucket	Heavy Fleet
3796	2014 FREIGHTLINER M2106	\$ 228,243.30	Trk w/Single Bucket	Heavy Fleet
3790	2014 FREIGHTLINER M2106	\$ 226,650.60	Trk w/Single Bucket	Heavy Fleet
3700	2014 FREIGHTLINER M2106	\$ 211,330.82	Trk w/Single Bucket	Heavy Fleet
3701	2014 FREIGHTLINER M2106	\$ 208,582.78	Trk w/Single Bucket	Heavy Fleet
3760	2014 KENWORTH T440	\$ 241,172.04	Trk w/ Mounted Crane	Heavy Fleet
3938	2014 FORD F550	\$ 140,321.08	Trk w/Single Bucket	Medium Fleet
3940	2014 FORD F550	\$ 140,090.31	Trk w/Single Bucket	Medium Fleet
3948	2014 FORD F550	\$ 139,888.10	Trk w/Single Bucket	Medium Fleet
3949	2014 FORD F550	\$ 140,723.87	Trk w/Single Bucket	Medium Fleet
3951	2014 FORD F550	\$ 142,970.96	Trk w/Single Bucket	Medium Fleet

**2014 Fleet Purchases over \$30,000 per Unit**

Unit	Description	AcquistnValue	Object type	Object Category
3952	2014 FORD F550	\$ 139,936.26	Trk w/Single Bucket	Medium Fleet
3954	2014 FORD F550	\$ 139,965.64	Trk w/Single Bucket	Medium Fleet
3955	2014 FORD F550	\$ 143,257.57	Trk w/Single Bucket	Medium Fleet
3960	2014 FORD F550	\$ 140,468.46	Trk w/Single Bucket	Medium Fleet
3961	2014 FORD F550	\$ 139,451.51	Trk w/Single Bucket	Medium Fleet
3964	2014 FORD F550	\$ 140,018.29	Trk w/Single Bucket	Medium Fleet
3966	2014 FORD F550	\$ 140,945.58	Trk w/Single Bucket	Medium Fleet
9980	2014 DODGE RAM 5500	\$ 52,661.65	Trk >1 ton w/ body	Medium Fleet
9961	2014 FORD F450	\$ 66,022.82	Trk >1 ton w/ body	Medium Fleet
9962	2014 FORD F450	\$ 66,505.35	Trk >1 ton w/ body	Medium Fleet
9963	2014 FORD F450	\$ 66,090.50	Trk >1 ton w/ body	Medium Fleet
9964	2014 FORD F450	\$ 65,964.73	Trk >1 ton w/ body	Medium Fleet
9966	2014 FORD F450	\$ 66,305.16	Trk >1 ton w/ body	Medium Fleet
9967	2014 FORD F450	\$ 76,795.93	Trk >1 ton w/ body	Medium Fleet
9968	2014 FORD F450	\$ 64,425.80	Trk >1 ton w/ body	Medium Fleet
9969	2014 FORD F450	\$ 65,971.76	Trk >1 ton w/ body	Medium Fleet
9970	2014 FORD F450	\$ 66,718.69	Trk >1 ton w/ body	Medium Fleet
9971	2014 FORD F450	\$ 66,355.13	Trk >1 ton w/ body	Medium Fleet
9972	2014 FORD F450	\$ 64,271.85	Trk w/ mtd Special Eq	Medium Fleet
3680	2014 FORD F550	\$ 154,487.72	Trk w/Single Bucket	Medium Fleet
3681	2014 FORD F550	\$ 152,486.79	Trk w/Single Bucket	Medium Fleet
3682	2014 FORD F550	\$ 152,291.04	Trk w/Single Bucket	Medium Fleet
3683	2014 FORD F550	\$ 151,879.54	Trk w/Single Bucket	Medium Fleet
8703	2013 CATERPILLAR FORKLIFT	\$ 49,804.72	Eq Forklifts	Equipment
3370	2014 FREIGHTLINER M2106	\$ 295,673.36	Trk w/ Mounted Crane	Heavy Fleet
3380	2014 FREIGHTLINER M2106	\$ 294,747.57	Trk w/ Mounted Crane	Heavy Fleet
8561	2013 TERRAMAC RT9 CRAWLER CARRIER	\$ 213,465.75	Eq lodr/tractr/bkhoe	Equipment
8562	2013 TERRAMAC RT9 CRAWLER CARRIER	\$ 213,991.43	Eq lodr/tractr/bkhoe	Equipment
5640	2013 TEREX COMMANDER 4045	\$ 264,630.90	Eq crane tire track	Equipment
7331	2013 FIBER OPTIC SPLICING TRAILER	\$ 37,188.40	Trlr w/spcl mntd eq	Equipment
7482	2014 FONTAINE TRAILER	\$ 222,985.69	Trailer load bearing	Equipment
7652	2014 TOP HAT TRAILER	\$ 50,454.60	Trailer load bearing	Equipment

**2014 Fleet Purchases over \$30,000 per Unit**

Unit	Description	AcquistnValue	Object type	Object Category
7653	2014 TOP HAT TRAILER	\$ 57,363.85	Trailer load bearing	Equipment
8208	2013 CATERPILLAR FORKLIFT	\$ 42,807.84	Eq Forklifts	Equipment
8432	2014 JUNGHEINRICH ORDER PICKER	\$ 47,273.62	Eq Forklifts	Equipment
8430	2013 CATERPILLAR FORKLIFT	\$ 64,287.68	Eq Forklifts	Equipment
8355	2013 CATERPILLAR FORKLIFT	\$ 40,292.31	Eq Forklifts	Equipment
8206	2014 BOBCAT COMPACT TRACK LOADER	\$ 76,489.54	Eq lodr/tractr/bkhoe	Equipment
8205	2014 BOBCAT COMPACT TRACK LOADER	\$ 76,286.95	Eq lodr/tractr/bkhoe	Equipment
8402	2013 MOFFETT FORKLIFT	\$ 64,516.86	Eq Forklifts	Equipment
7615	2015 CLARK TRAILER	\$ 58,073.55	Trailer Van	Equipment
1444	2014 FORD F150	\$ 50,494.75	Trk 1/2 ton	Light Fleet
6311	2014 FORD F250	\$ 39,725.47	Trk 3/4 ton w/o body	Light Fleet
6319	2014 FORD F250	\$ 39,941.79	Trk 3/4 ton w/o body	Light Fleet
6323	2014 FORD F250	\$ 41,720.90	Trk 3/4 ton w/o body	Light Fleet
2922	2015 FORD F350	\$ 52,847.58	Trk 1 ton w/ body	Medium Fleet
2923	2015 FORD F350	\$ 54,101.71	Trk 1 ton w/ body	Medium Fleet
2935	2015 FORD F350	\$ 52,341.28	Trk 1 ton w/ body	Medium Fleet
2953	2015 FORD F350	\$ 52,467.14	Trk 1 ton w/ body	Medium Fleet
2976	2015 FORD F350	\$ 52,269.35	Trk 1 ton w/ body	Medium Fleet
2979	2015 FORD F350	\$ 51,785.09	Trk 1 ton w/ body	Medium Fleet
2990	2015 FORD F350	\$ 52,005.18	Trk 1 ton w/ body	Medium Fleet
2995	2015 FORD F350	\$ 51,667.73	Trk 1 ton w/ body	Medium Fleet
2997	2014 FORD F350	\$ 52,610.85	Trk 1 ton w/ body	Medium Fleet
1434	2014 FORD F150	\$ 37,520.56	Trk 1/2 ton	Light Fleet
1439	2014 FORD F150	\$ 37,309.03	Trk 1/2 ton	Light Fleet
8492	2014 CATERPILLAR FORKLIFT	\$ 59,221.30	Eq Forklifts	Equipment
8493	2014 CATERPILLAR FORKLIFT	\$ 59,252.76	Eq Forklifts	Equipment
6787	2015 FORD F250	\$ 45,391.25	Trk 3/4 ton w/o body	Light Fleet
6800	2015 FORD F250	\$ 46,921.99	Trk 3/4 ton w/o body	Light Fleet
3455	2014 PETERBILT 365	\$ 380,381.60	Trk w/ Mounted Crane	Heavy Fleet
3702	2014 FREIGHTLINER M2106	\$ 295,784.89	Trk w/Single Bucket	Heavy Fleet
7699	2015 FELLING DECK TRAILER	\$ 34,392.54	Trailer load bearing	Equipment
7414	2015 CLARK FLATBED TRAILER	\$ 48,035.33	Trailer load bearing	Equipment

**2014 Fleet Purchases over \$30,000 per Unit**

Unit	Description	AcquistnValue	Object type	Object Category
8335	2014 CATERPILLAR FORKLIFT	\$ 38,827.72	Eq Forklifts	Equipment
6412	2015 FORD F250	\$ 48,393.73	Trk 3/4 ton w/o body	Light Fleet
6414	2015 FORD F250	\$ 49,718.92	Trk 3/4 ton w/o body	Light Fleet
6436	2015 FORD F250	\$ 49,057.71	Trk 3/4 ton w/o body	Light Fleet
6437	2015 FORD F250	\$ 49,712.84	Trk 3/4 ton w/o body	Light Fleet
8848	2014 JUNGHEINRICH ORDER PICKER	\$ 47,647.46	Eq Forklifts	Equipment
8195	2014 CATERPILLAR FORKLIFT	\$ 42,610.45	Eq Forklifts	Equipment
5024	2014 PRINOTH GT3000	\$ 840,434.24	Trk w/Bkt >90ft	Heavy Fleet
8656	2014 CATERPILLAR FORKLIFT	\$ 44,325.53	Eq Forklifts	Equipment
8326	2014 CATERPILLAR FORKLIFT	\$ 43,535.10	Eq Forklifts	Equipment
8333	2015 BOBCAT COMPACT TRACK LOADER	\$ 69,337.25	Eq lodr/tractr/bkhoe	Equipment



**2015 Fleet Purchases over \$30,000 per Unit**

Unit	Description	AcquistnValue	Object type	Object Category
9991	2014 DODGE RAM 5500	\$ 63,421.69	Trk >1 ton w/ body	Medium Fleet
1022	2014 CHEVROLET SILVERADO 1500	\$ 37,523.31	Trk 1/2 ton	Light Fleet
1034	2014 CHEVROLET SILVERADO 1500	\$ 35,193.52	Trk 1/2 ton	Light Fleet
1052	2014 CHEVROLET SILVERADO 1500	\$ 36,336.85	Trk 1/2 ton	Light Fleet
1054	2014 CHEVROLET SILVERADO 1500	\$ 36,284.87	Trk 1/2 ton	Light Fleet
8450	2013 MOFFETT FORKLIFT	\$ 60,028.19	Eq Forklifts	Equipment
3711	2015 KENWORTH T800	\$ 454,718.15	Trk w/ Mounted Crane	Heavy Fleet
3525	2015 FREIGHTLINER M2106	\$ 239,894.11	Trk w/Single Bucket	Heavy Fleet
8802	2015 HANKO WORKBOAT	\$ 62,584.34	Boat	Equipment
5275	2015 TOR	\$ 1,522,792.53	Trk w/Bkt >90ft	Heavy Fleet
5280	2015 TOR	\$ 1,528,038.68	Trk w/Bkt >90ft	Heavy Fleet
2884	2015 FORD F550	\$ 80,631.12	Trk >1 ton w/ body	Medium Fleet
1011	2014 FORD F150	\$ 46,065.34	Trk 1/2 ton	Light Fleet
7404	2015 DORSEY DF48 DROP DECK TRAILER	\$ 36,866.37	Trailer load bearing	Equipment
2444	2015 DODGE RAM 5500	\$ 100,839.17	Van Step/Cube	Medium Fleet
3770	2015 KENWORTH T800	\$ 201,288.96	Trk Tractor	Heavy Fleet
1503	2014 FORD F150	\$ 37,348.35	Trk 1/2 ton	Light Fleet
1504	2014 FORD F150	\$ 36,969.95	Trk 1/2 ton	Light Fleet
6440	2015 FORD F250	\$ 49,938.36	Trk 3/4 ton w/o body	Light Fleet
2750	2015 FORD F350	\$ 58,273.07	Trk 1 ton w/o body	Medium Fleet
2753	2015 FORD F350	\$ 57,714.50	Trk 1 ton w/o body	Medium Fleet
2877	2015 FORD F350	\$ 59,107.48	Trk 1 ton w/ body	Medium Fleet
2878	2015 FORD F350	\$ 59,563.84	Trk 1 ton w/ body	Medium Fleet
2879	2015 FORD F350	\$ 58,615.03	Trk 1 ton w/ body	Medium Fleet
2886	2015 FORD F350	\$ 58,823.48	Trk 1 ton w/ body	Medium Fleet
2889	2015 FORD F350	\$ 59,326.64	Trk 1 ton w/ body	Medium Fleet
6846	2015 FORD F250	\$ 43,069.59	Trk 3/4 ton w/o body	Light Fleet
6358	2015 FORD F250	\$ 41,145.47	Trk 3/4 ton w/o body	Light Fleet
2706	2015 FORD F350	\$ 56,453.57	Trk 1 ton w/ body	Medium Fleet
2715	2015 FORD F350	\$ 56,042.07	Trk 1 ton w/ body	Medium Fleet
2718	2015 FORD F350	\$ 56,445.11	Trk 1 ton w/ body	Medium Fleet
2756	2015 FORD F350	\$ 56,558.19	Trk 1 ton w/ body	Medium Fleet

**2015 Fleet Purchases over \$30,000 per Unit**

Unit	Description	AcquistnValue	Object type	Object Category
2760	2015 FORD F350	\$ 55,548.21	Trk 1 ton w/ body	Medium Fleet
2788	2015 FORD F350	\$ 56,341.39	Trk 1 ton w/ body	Medium Fleet
2790	2015 FORD F350	\$ 55,832.28	Trk 1 ton w/ body	Medium Fleet
2794	2015 FORD F350	\$ 55,926.14	Trk 1 ton w/ body	Medium Fleet
1171	2014 FORD F150	\$ 30,877.74	Trk 1/2 ton	Light Fleet
1431	2014 FORD F150	\$ 30,650.88	Trk 1/2 ton	Light Fleet
1985	2015 FORD EXPLORER	\$ 33,048.68	Sport Utility Vehicle	Light Fleet
1982	2015 FORD F150	\$ 36,723.91	Trk 1/2 ton	Light Fleet
8526	2014 SDP EZ HAULER	\$ 153,846.16	Equip material lift	Equipment
8536	2014 SDP EZ HAULER	\$ 153,878.68	Equip material lift	Equipment
8541	2014 SDP EZ HAULER	\$ 154,620.80	Equip material lift	Equipment
8553	2014 SDP EZ HAULER	\$ 153,878.70	Equip material lift	Equipment
8569	2014 SDP EZ HAULER	\$ 154,430.94	Equip material lift	Equipment
8573	2014 SDP EZ HAULER	\$ 154,041.43	Equip material lift	Equipment
8575	2014 SDP EZ HAULER	\$ 154,106.50	Equip material lift	Equipment
2181	2015 FORD TRANSIT VAN	\$ 45,256.31	Van Full Size	Light Fleet
2897	2015 FORD TRANSIT VAN	\$ 45,529.80	Van Full Size	Light Fleet
8306	2014 TSE INTERNATIONAL FOUR DRUM PULLER	\$ 150,022.46	Eq Winder/Tensioner	Equipment
6773	2015 FORD F250	\$ 34,945.71	Trk 3/4 ton w/o body	Light Fleet
8361	2015 CATERPILLAR FORKLIFT	\$ 45,461.45	Eq Forklifts	Equipment
3540	2014 FORD F550	\$ 132,703.50	Trk w/Single Bucket	Medium Fleet
8501	2014 CATERPILLAR FORKLIFT	\$ 39,069.14	Eq Forklifts	Equipment
2985	2016 FORD F350	\$ 56,898.42	Trk 1 ton w/ body	Medium Fleet
9526	2016 FORD F350	\$ 57,396.35	Trk 1 ton w/ body	Medium Fleet
9527	2016 FORD F350	\$ 56,446.83	Trk 1 ton w/ body	Medium Fleet
9529	2016 FORD F350	\$ 56,956.96	Trk 1 ton w/ body	Medium Fleet
9530	2016 FORD F350	\$ 56,859.14	Trk 1 ton w/ body	Medium Fleet
9542	2016 FORD F350	\$ 56,455.76	Trk 1 ton w/ body	Medium Fleet
9543	2016 FORD F350	\$ 56,676.87	Trk 1 ton w/ body	Medium Fleet
1489	2015 FORD F150	\$ 33,786.65	Trk 1/2 ton	Light Fleet
8428	2015 CATERPILLAR FORKLIFT	\$ 38,570.28	Eq Forklifts	Equipment
1290	2015 FORD F150	\$ 37,654.72	Trk 1/2 ton	Light Fleet
1502	2015 FORD F150	\$ 37,108.95	Trk 1/2 ton	Light Fleet
1507	2015 FORD F150	\$ 37,447.97	Trk 1/2 ton	Light Fleet

**2015 Fleet Purchases over \$30,000 per Unit**

Unit	Description	AcquistnValue	Object type	Object Category
1082	2015 FORD F150	\$ 31,262.40	Trk 1/2 ton	Light Fleet
1084	2015 FORD F150	\$ 30,185.14	Trk 1/2 ton	Light Fleet
1166	2015 FORD F150	\$ 30,096.42	Trk 1/2 ton	Light Fleet
1174	2015 FORD F150	\$ 30,400.44	Trk 1/2 ton	Light Fleet
1228	2015 FORD F150	\$ 30,357.43	Trk 1/2 ton	Light Fleet
1256	2015 FORD F150	\$ 30,133.18	Trk 1/2 ton	Light Fleet
1301	2015 FORD F150	\$ 30,584.52	Trk 1/2 ton	Light Fleet
9680	2015 DODGE RAM 5500	\$ 63,503.80	Trk >1 ton w/ body	Medium Fleet
8707	2015 JLG BOOM LIFT	\$ 71,251.98	Equip man lift	Equipment
8714	2015 JLG BOOM LIFT	\$ 106,378.88	Equip man lift	Equipment
8726	2015 JLG BOOM LIFT	\$ 106,378.88	Equip man lift	Equipment
3498	2016 KENWORTH T800	\$ 156,603.32	Trk Tractor	Heavy Fleet
7742	2016 TRAILEZE TRAILER	\$ 83,426.65	Trlr w/spcl mntd eq	Equipment
5600	2015 BROKK CONCRETE CHIPPING MACHINE	\$ 114,620.20	Misc self propelled	Equipment

**2016 Fleet Purchases over \$30,000 per Unit**

Unit	Description	AcquistnValue	Object type	Object Category
3797	2016 FREIGHTLINER M2106	\$ 249,669.63	Trk w/Single Bucket	Heavy Fleet
3506	2015 FREIGHTLINER M2106	\$ 278,211.64	Trk w/ Digger Derrick	Heavy Fleet
3507	2015 FREIGHTLINER M2106	\$ 240,277.07	Trk w/Single Bucket	Heavy Fleet
3509	2015 FREIGHTLINER M2106	\$ 242,820.51	Trk w/Single Bucket	Heavy Fleet
3510	2015 FREIGHTLINER M2106	\$ 255,181.70	Trk w/Double Bucket	Heavy Fleet
3514	2015 FREIGHTLINER M2106	\$ 254,395.73	Trk w/Double Bucket	Heavy Fleet
3515	2015 FREIGHTLINER M2106	\$ 253,975.25	Trk w/Double Bucket	Heavy Fleet
3517	2015 FREIGHTLINER M2106	\$ 293,854.52	Trk w/ Digger Derrick	Heavy Fleet
3518	2015 FREIGHTLINER M2106	\$ 289,477.97	Trk w/ Digger Derrick	Heavy Fleet
3519	2015 FREIGHTLINER M2106	\$ 289,308.63	Trk w/ Digger Derrick	Heavy Fleet
3520	2015 FREIGHTLINER M2106	\$ 270,550.29	Trk w/Double Bucket	Heavy Fleet
3500	2015 FREIGHTLINER M2106	\$ 271,069.94	Trk w/Double Bucket	Heavy Fleet
3501	2015 FREIGHTLINER M2106	\$ 271,215.35	Trk w/Double Bucket	Heavy Fleet
3502	2015 FREIGHTLINER M2106	\$ 270,677.66	Trk w/Double Bucket	Heavy Fleet
3503	2015 FREIGHTLINER M2106	\$ 270,635.25	Trk w/Double Bucket	Heavy Fleet
3504	2015 FREIGHTLINER M2106	\$ 290,316.55	Trk w/ Digger Derrick	Heavy Fleet
3505	2015 FREIGHTLINER M2106	\$ 280,186.07	Trk w/ Digger Derrick	Heavy Fleet
2901	2015 DODGE RAM 4500	\$ 74,998.87	Trk >1 ton w/ body	Medium Fleet
2905	2015 DODGE RAM 4500	\$ 75,963.85	Trk >1 ton w/ body	Medium Fleet
2906	2015 DODGE RAM 4500	\$ 74,214.95	Trk >1 ton w/ body	Medium Fleet
2908	2015 DODGE RAM 4500	\$ 74,418.89	Trk >1 ton w/ body	Medium Fleet
3335	2015 DODGE RAM 5500	\$ 140,276.69	Trk w/Single Bucket	Medium Fleet
3337	2015 DODGE RAM 5500	\$ 140,495.09	Trk w/Single Bucket	Medium Fleet
3338	2015 DODGE RAM 5500	\$ 140,590.93	Trk w/Single Bucket	Medium Fleet
3339	2015 DODGE RAM 5500	\$ 139,098.02	Trk w/Single Bucket	Medium Fleet
3340	2015 DODGE RAM 5500	\$ 139,065.48	Trk w/Single Bucket	Medium Fleet
3349	2015 DODGE RAM 5500	\$ 135,449.23	Trk w/Single Bucket	Medium Fleet
3350	2015 DODGE RAM 5500	\$ 138,564.32	Trk w/Single Bucket	Medium Fleet
3351	2015 DODGE RAM 5500	\$ 137,559.41	Trk w/Single Bucket	Medium Fleet
2971	2016 FORD F550	\$ 96,288.58	Trk >1 ton w/o body	Medium Fleet

**2016 Fleet Purchases over \$30,000 per Unit**

Unit	Description	AcquistnValue	Object type	Object Category
2876	2016 FORD F550	\$ 82,026.50	Trk >1 ton w/o body	Medium Fleet
3703	2016 FREIGHTLINER M2106	\$ 247,684.48	Trk w/Single Bucket	Heavy Fleet
3704	2016 FREIGHTLINER M2106	\$ 251,826.31	Trk w/Single Bucket	Heavy Fleet
3705	2016 FREIGHTLINER M2106	\$ 252,608.98	Trk w/Single Bucket	Heavy Fleet
8580	2015 TERRAMAC RT9 CRAWLER CARRIER	\$ 263,919.32	Eq lodr/tractr/bkhoe	Equipment
3449	2016 KENWORTH T800	\$ 221,711.89	Trk Tractor	Heavy Fleet
7763	2016 MAGNITUDE MODULAR TRAILER	\$ 149,409.51	Trailer load bearing	Equipment
3610	2016 FREIGHTLINER M2106	\$ 146,083.56	Trk >1 ton w/ body	Heavy Fleet
3612	2016 FREIGHTLINER M2106	\$ 143,850.65	Trk >1 ton w/ body	Heavy Fleet
2458	2016 FORD F550	\$ 110,495.77	Trk >1 ton w/ body	Medium Fleet
2509	2016 FORD F550	\$ 109,317.06	Trk >1 ton w/ body	Medium Fleet
2531	2016 FORD F550	\$ 109,050.41	Trk >1 ton w/ body	Medium Fleet
2848	2016 FORD F550	\$ 110,819.70	Trk >1 ton w/ body	Medium Fleet
2192	2016 FORD F350	\$ 77,778.33	Trk 1 ton w/ body	Medium Fleet
5301	2015 PRINOTH GT3000	\$ 889,564.61	Trk w/Bkt >90ft	Heavy Fleet
2005	2016 FORD F550	\$ 96,817.07	Trk >1 ton w/ body	Medium Fleet
2518	2016 FORD F550	\$ 83,161.27	Trk >1 ton w/ body	Medium Fleet
2868	2016 FORD F550	\$ 83,050.00	Trk >1 ton w/ body	Medium Fleet
2505	2016 FORD F350	\$ 77,851.43	Trk 1 ton w/ body	Medium Fleet
5440	2015 PRINOTH GT4500	\$ 820,296.03	Trk w/ Mounted Crane	Heavy Fleet
5500	2015 CATERPILLAR WITH SPIRADRILL	\$ 644,757.88	Eq drill	Equipment
1822	2016 FORD F150	\$ 31,251.49	Trk 1/2 ton	Light Fleet
1827	2016 FORD F150	\$ 30,372.54	Trk 1/2 ton	Light Fleet
7749	2016 DORSEY TRAILER	\$ 37,840.18	Trailer load bearing	Equipment
3486	2016 DODGE RAM 5500	\$ 82,126.32	Trk w/Single Bucket	Medium Fleet
3534	2015 DODGE RAM 5500	\$ 197,825.13	Trk w/Single Bucket	Medium Fleet
3536	2015 DODGE RAM 5500	\$ 196,234.06	Trk w/Single Bucket	Medium Fleet
3538	2015 DODGE RAM 5500	\$ 199,905.49	Trk w/Single Bucket	Medium Fleet
3543	2015 DODGE RAM 5500	\$ 198,710.01	Trk w/Single Bucket	Medium Fleet
3523	2015 FORD F550	\$ 140,210.55	Trk w/Single Bucket	Medium Fleet
3528	2015 FORD F550	\$ 141,035.85	Trk w/Single Bucket	Medium Fleet
3530	2015 FORD F550	\$ 140,083.19	Trk w/Single Bucket	Medium Fleet

**2016 Fleet Purchases over \$30,000 per Unit**

Unit	Description	AcquistnValue	Object type	Object Category
3531	2015 FORD F550	\$ 139,876.56	Trk w/Single Bucket	Medium Fleet
3532	2015 FORD F550	\$ 144,296.81	Trk w/Single Bucket	Medium Fleet
2825	2016 FORD F350	\$ 66,006.11	Trk 1 ton w/o body	Medium Fleet
2048	2016 FORD F550	\$ 70,505.55	Trk w/ mtrl Stk Bed	Medium Fleet
2049	2016 FORD F550	\$ 70,282.81	Trk >1 ton w/ body	Medium Fleet
2042	2016 FORD F550	\$ 70,309.14	Trk >1 ton w/ body	Medium Fleet
2055	2016 FORD F550	\$ 70,581.42	Trk >1 ton w/ body	Medium Fleet
2105	2016 FORD F350	\$ 47,109.01	Trk 1 ton w/o body	Medium Fleet
2221	2016 FORD F350	\$ 47,063.42	Trk 1 ton w/o body	Medium Fleet
2293	2016 FORD F350	\$ 47,034.71	Trk 1 ton w/o body	Medium Fleet
1133	2015 FORD F150	\$ 35,299.16	Trk 1/2 ton	Light Fleet
1770	2016 FORD F150	\$ 33,878.99	Trk 1/2 ton	Light Fleet
7732	2016 CARGO TRAILER	\$ 181,788.38	Trlr w/spcl mntd eq	Equipment
7733	2016 CARGO TRAILER	\$ 181,788.38	Trlr w/spcl mntd eq	Equipment
7734	2016 CARGO TRAILER	\$ 181,788.38	Trlr w/spcl mntd eq	Equipment
8833	2016 CATERPILLAR FORKLIFT	\$ 46,329.22	Eq Forklifts	Equipment
6464	2017 FORD F250	\$ 32,171.99	Trk 3/4 ton w/o body	Light Fleet
8649	2016 CATERPILLAR FORKLIFT	\$ 39,058.65	Eq Forklifts	Equipment
8653	2016 CATERPILLAR FORKLIFT	\$ 39,023.13	Eq Forklifts	Equipment

**2017 Fleet Purchases over \$30,000 per Unit**

Unit	Description	AcquistnValue	Object type	Object Category
3357	2016 FORD F550	\$ 197,729.27	Trk w/Single Bucket	Medium Fleet
3358	2016 FORD F550	\$ 198,359.48	Trk w/Single Bucket	Medium Fleet
3490	2016 DODGE RAM 5500	\$ 169,689.35	Trk w/Single Bucket	Medium Fleet
3491	2016 DODGE RAM 5500	\$ 167,014.04	Trk w/Single Bucket	Medium Fleet
3492	2016 FORD F550	\$ 170,390.02	Trk w/Single Bucket	Medium Fleet
3495	2016 FORD F550	\$ 162,350.89	Trk w/Single Bucket	Medium Fleet
8633	2016 CATERPILLAR FORKLIFT	\$ 66,883.70	Eq Forklifts	Equipment
8634	2016 CATERPILLAR FORKLIFT	\$ 38,916.57	Eq Forklifts	Equipment
8648	2016 CATERPILLAR FORKLIFT	\$ 39,454.93	Eq Forklifts	Equipment
8658	2016 CATERPILLAR FORKLIFT	\$ 39,089.37	Eq Forklifts	Equipment
2085	2017 FORD F350	\$ 60,165.03	Trk 1 ton w/ body	Medium Fleet
7261	2017 GREAT DANE TRAILER	\$ 158,424.33	Trlr w/spcl mntd eq	Equipment
1632	2017 FORD F150	\$ 33,765.40	Trk 1/2 ton	Light Fleet
1638	2017 FORD F150	\$ 33,440.20	Trk 1/2 ton	Light Fleet
1639	2017 FORD F150	\$ 35,001.62	Trk 1/2 ton	Light Fleet
1640	2017 FORD F150	\$ 33,429.85	Trk 1/2 ton	Light Fleet
1647	2017 FORD F150	\$ 33,477.63	Trk 1/2 ton	Light Fleet
1652	2017 FORD F150	\$ 34,664.34	Trk 1/2 ton	Light Fleet
1653	2017 FORD F150	\$ 34,483.74	Trk 1/2 ton	Light Fleet
1673	2016 FORD F150	\$ 30,548.34	Trk 1/2 ton	Light Fleet
8024	2017 CATERPILLAR FORKLIFT	\$ 43,390.40	Eq Forklifts	Equipment
8152	2018 CATERPILLAR FORKLIFT	\$ 40,091.99	Eq Forklifts	Equipment
8153	2018 CATERPILLAR FORKLIFT	\$ 40,091.99	Eq Forklifts	Equipment
7147	2017 LARSON CABLE TRAILER	\$ 31,487.77	Trailer load bearing	Equipment
0007	2017 CHEVROLET BOLT	\$ 38,414.31	Car	Light Fleet
0008	2017 CHEVROLET BOLT	\$ 38,414.31	Car	Light Fleet
0009	2017 CHEVROLET BOLT	\$ 38,414.31	Car	Light Fleet

**2018 Fleet Purchases over \$30,000 per Unit**

Unit	Description	AcquistnValue	Object type	Object Category
3330	2016 FREIGHTLINER M2106	\$ 307,270.90	Trk w/Single Bucket	Heavy Fleet
3706	2018 FREIGHTLINER M2106	\$ 232,450.67	Trk w/Single Bucket	Heavy Fleet
3707	2017 DODGE RAM 5500	\$ 155,698.70	Trk w/Single Bucket	Medium Fleet
3708	2017 DODGE RAM 5500	\$ 149,810.09	Trk w/Single Bucket	Medium Fleet
3709	2017 DODGE RAM 5500	\$ 149,701.51	Trk w/Single Bucket	Medium Fleet
3710	2017 DODGE RAM 5500	\$ 149,756.59	Trk w/Single Bucket	Medium Fleet
3712	2017 DODGE RAM 5500	\$ 194,801.54	Trk w/Single Bucket	Medium Fleet
3714	2017 DODGE RAM 5500	\$ 152,027.08	Trk w/Single Bucket	Medium Fleet
3715	2017 DODGE RAM 5500	\$ 194,981.01	Trk w/Single Bucket	Medium Fleet
3716	2017 DODGE RAM 5500	\$ 152,116.38	Trk w/Single Bucket	Medium Fleet
3720	2018 FREIGHTLINER M2106	\$ 276,832.33	Trk w/Double Bucket	Heavy Fleet
3721	2018 FREIGHTLINER M2106	\$ 277,087.29	Trk w/Double Bucket	Heavy Fleet
3722	2018 FREIGHTLINER M2106	\$ 276,272.43	Trk w/Double Bucket	Heavy Fleet
3723	2018 FREIGHTLINER M2106	\$ 276,363.35	Trk w/Double Bucket	Heavy Fleet
3724	2018 FREIGHTLINER M2106	\$ 276,673.06	Trk w/Double Bucket	Heavy Fleet
3725	2018 FREIGHTLINER M2106	\$ 276,882.53	Trk w/Double Bucket	Heavy Fleet
3726	2018 FREIGHTLINER M2106	\$ 276,170.07	Trk w/Double Bucket	Heavy Fleet
3727	2018 FREIGHTLINER M2106	\$ 276,870.50	Trk w/Double Bucket	Heavy Fleet
3728	2018 FREIGHTLINER M2106	\$ 276,896.59	Trk w/Double Bucket	Heavy Fleet
3730	2018 FREIGHTLINER M2106	\$ 276,291.02	Trk w/Double Bucket	Heavy Fleet
3731	2018 FREIGHTLINER M2106	\$ 276,220.36	Trk w/Double Bucket	Heavy Fleet
3732	2018 FREIGHTLINER M2106	\$ 277,004.27	Trk w/Double Bucket	Heavy Fleet
3841	2018 FREIGHTLINER M2106	\$ 309,315.91	Trk w/ Digger Derrick	Heavy Fleet
3842	2018 FREIGHTLINER M2106	\$ 305,772.99	Trk w/ Digger Derrick	Heavy Fleet
3843	2018 FREIGHTLINER M2106	\$ 349,989.35	Trk w/ Digger Derrick	Heavy Fleet
3847	2018 FREIGHTLINER M2106	\$ 349,635.04	Trk w/ Digger Derrick	Heavy Fleet
3848	2018 FREIGHTLINER M2106	\$ 349,532.05	Trk w/ Digger Derrick	Heavy Fleet
3733	2017 DODGE RAM 5500	\$ 151,817.44	Trk w/Single Bucket	Medium Fleet
3734	2017 DODGE RAM 5500	\$ 197,055.63	Trk w/Single Bucket	Medium Fleet
3735	2018 FREIGHTLINER M2106	\$ 235,424.17	Trk w/Single Bucket	Heavy Fleet



**2018 Fleet Purchases over \$30,000 per Unit**

Unit	Description	AcquistnValue	Object type	Object Category
3736	2018 FREIGHTLINER M2106	\$ 239,503.29	Trk w/Single Bucket	Heavy Fleet
3737	2018 FREIGHTLINER M2106	\$ 236,049.70	Trk w/Single Bucket	Heavy Fleet
3738	2018 FREIGHTLINER M2106	\$ 276,834.53	Trk w/Double Bucket	Heavy Fleet
3739	2018 FREIGHTLINER M2106	\$ 277,013.65	Trk w/Double Bucket	Heavy Fleet
3740	2018 FREIGHTLINER M2106	\$ 275,920.66	Trk w/Double Bucket	Heavy Fleet
3744	2018 FREIGHTLINER M2106	\$ 280,604.73	Trk w/Double Bucket	Heavy Fleet
3745	2018 FREIGHTLINER M2106	\$ 276,916.35	Trk w/Double Bucket	Heavy Fleet
3746	2018 FREIGHTLINER M2106	\$ 368,483.62	Trk w/ Digger Derrick	Heavy Fleet
3747	2018 FREIGHTLINER M2106	\$ 349,932.95	Trk w/ Digger Derrick	Heavy Fleet
5351	2018 GROVE TMS760E	\$ 646,573.59	Trk w/ Mounted Crane	Heavy Fleet
3748	2017 DODGE RAM 5500	\$ 155,702.81	Trk w/Single Bucket	Medium Fleet
7262	2018 TSE REEL CARRIER TRAILER	\$ 99,511.83	Trlr w/spcl mntd eq	Equipment
7263	2018 TSE REEL CARRIER TRAILER	\$ 99,368.55	Trlr w/spcl mntd eq	Equipment
3849	2018 KENWORTH	\$ 791,713.02	Trk w/ mtd Special Eq	Heavy Fleet
3850	2018 FREIGHTLINER M2106	\$ 530,091.83	Trk w/ Digger Derrick	Heavy Fleet
3006	2018 KENWORTH T800	\$ 445,245.57	Trk w/ Mounted Crane	Heavy Fleet
7240	2018 WELLS CARGO TRAILER	\$ 53,411.92	Trailer Van	Equipment
0234	2018 FORD F150	\$ 34,776.70	Trk 1/2 ton	Light Fleet
0241	2018 FORD F150	\$ 34,330.77	Trk 1/2 ton	Light Fleet
0242	2018 FORD F150	\$ 33,465.43	Trk 1/2 ton	Light Fleet
0229	2018 FORD F150	\$ 44,540.24	Trk 1/2 ton	Light Fleet
2032	2017 FORD F550	\$ 119,370.23	Trk >1 ton w/ body	Medium Fleet
2062	2017 FORD F550	\$ 122,289.66	Trk >1 ton w/ body	Medium Fleet
2066	2017 FORD F550	\$ 122,361.29	Trk >1 ton w/ body	Medium Fleet
2096	2017 FORD F550	\$ 119,091.47	Trk >1 ton w/ body	Medium Fleet
2103	2017 FORD F550	\$ 119,235.55	Trk >1 ton w/ body	Medium Fleet
8043	2018 TSE TENSIONER TRAILER	\$ 196,825.92	Eq Winder/Tensioner	Equipment
8050	2017 ALTEC REEL WINDER	\$ 221,274.35	Eq Winder/Tensioner	Equipment
2165	2017 FORD F350	\$ 64,025.48	Trk 1 ton w/ body	Medium Fleet
2167	2017 FORD F350	\$ 64,303.31	Trk 1 ton w/ body	Medium Fleet
2170	2017 FORD F350	\$ 64,118.36	Trk 1 ton w/ body	Medium Fleet
8071	2017 CATERPILLAR FORKLIFT	\$ 71,787.50	Eq Forklifts	Equipment

**2018 Fleet Purchases over \$30,000 per Unit**

Unit	Description	AcquistnValue	Object type	Object Category
2204	2017 FORD F350	\$ 64,421.59	Trk 1 ton w/ body	Medium Fleet
2215	2017 FORD F350	\$ 65,495.33	Trk 1 ton w/ body	Medium Fleet
2229	2018 DODGE RAM 4500	\$ 80,202.05	Trk >1 ton w/ body	Medium Fleet
0324	2018 FORD F150	\$ 37,892.49	Trk 1/2 ton	Light Fleet
0326	2018 FORD F150	\$ 38,253.84	Trk 1/2 ton	Light Fleet
0328	2018 FORD F150	\$ 33,857.42	Trk 1/2 ton	Light Fleet
0331	2018 FORD F150	\$ 34,053.51	Trk 1/2 ton	Light Fleet
0332	2018 FORD F150	\$ 33,857.42	Trk 1/2 ton	Light Fleet
0338	2018 FORD F150	\$ 33,715.29	Trk 1/2 ton	Light Fleet
0347	2018 FORD F150	\$ 33,604.96	Trk 1/2 ton	Light Fleet
0370	2018 FORD F150	\$ 33,941.09	Trk 1/2 ton	Light Fleet
0387	2018 FORD F150	\$ 33,840.90	Trk 1/2 ton	Light Fleet
0390	2018 FORD F150	\$ 33,960.64	Trk 1/2 ton	Light Fleet
0392	2018 FORD F150	\$ 41,190.36	Trk 1/2 ton	Light Fleet
0398	2018 FORD F150	\$ 40,741.60	Trk 1/2 ton	Light Fleet
0402	2018 FORD F150	\$ 41,294.69	Trk 1/2 ton	Light Fleet
0408	2018 FORD F150	\$ 40,040.88	Trk 1/2 ton	Light Fleet
8110	2017 ACHIEVER DIGGER DERRICK	\$ 305,797.10	Eq crane tire track	Equipment
8086	2018 JOHN DEERE FRONT LOADER	\$ 225,316.44	Eq lodr/tractr/bkhoe	Equipment
8102	2017 BOBCAT COMPACT TRACK LOADER	\$ 103,608.46	Eq skid steer	Equipment
0414	2018 FORD F150	\$ 42,328.50	Trk 1/2 ton	Light Fleet
0422	2018 FORD F150	\$ 44,172.79	Trk 1/2 ton	Light Fleet
0425	2018 FORD TRANSIT	\$ 32,994.06	Van Full Size	Light Fleet
8137	2017 SDP EZ HAULER	\$ 115,284.43	Equip material lift	Equipment
8146	2017 CATERPILLAR FORKLIFT	\$ 40,906.92	Eq Forklifts	Equipment
8147	2017 CATERPILLAR FORKLIFT	\$ 67,931.89	Eq Forklifts	Equipment
8151	2017 CATERPILLAR FORKLIFT	\$ 67,926.26	Eq Forklifts	Equipment
8161	2017 CATERPILLAR FORKLIFT	\$ 55,866.06	Eq Forklifts	Equipment
8162	2018 CATERPILLAR FORKLIFT	\$ 45,609.59	Eq Forklifts	Equipment
8166	2018 CATERPILLAR FORKLIFT	\$ 163,386.18	Eq Forklifts	Equipment
8167	2018 HOGG DAVIS HYDRA 985	\$ 193,903.13	Eq Winder/Tensioner	Equipment
7162	2017 INTERSTATE TRAILER	\$ 34,303.33	Trailer load bearing	Equipment

**2018 Fleet Purchases over \$30,000 per Unit**

Unit	Description	AcquistnValue	Object type	Object Category
8168	2018 HYDRATREK D2488B	\$ 177,983.08	Misc self propelled	Equipment
0472	2018 FORD F150	\$ 33,997.57	Trk 1/2 ton	Light Fleet
0474	2018 FORD F150	\$ 33,860.29	Trk 1/2 ton	Light Fleet
0475	2018 FORD F150	\$ 33,591.75	Trk 1/2 ton	Light Fleet
0476	2018 FORD F150	\$ 33,741.92	Trk 1/2 ton	Light Fleet
0478	2018 FORD F150	\$ 39,038.55	Trk 1/2 ton	Light Fleet
0479	2018 FORD F150	\$ 33,675.32	Trk 1/2 ton	Light Fleet
0490	2018 FORD F150	\$ 33,861.15	Trk 1/2 ton	Light Fleet
0494	2018 FORD F150	\$ 33,825.60	Trk 1/2 ton	Light Fleet
0496	2018 FORD F150	\$ 34,730.21	Trk 1/2 ton	Light Fleet
0497	2018 FORD F150	\$ 33,955.28	Trk 1/2 ton	Light Fleet
0499	2018 FORD F150	\$ 33,855.58	Trk 1/2 ton	Light Fleet
0502	2018 FORD F150	\$ 34,895.51	Trk 1/2 ton	Light Fleet
0506	2018 FORD F150	\$ 34,176.61	Trk 1/2 ton	Light Fleet
0517	2018 FORD F150	\$ 33,979.49	Trk 1/2 ton	Light Fleet
0518	2018 FORD F150	\$ 35,031.43	Trk 1/2 ton	Light Fleet
0521	2018 FORD F150	\$ 34,988.25	Trk 1/2 ton	Light Fleet
0526	2018 FORD F150	\$ 38,488.49	Trk 1/2 ton	Light Fleet
0786	2018 FORD F150	\$ 39,172.22	Trk 1/2 ton	Light Fleet
1021	2018 FORD F150	\$ 37,969.76	Trk 1/2 ton	Light Fleet
1234	2018 FORD F150	\$ 31,048.07	Trk 1/2 ton	Light Fleet
1326	2018 FORD F150	\$ 30,681.84	Trk 1/2 ton	Light Fleet
8169	2018 CATERPILLAR FORKLIFT	\$ 74,977.13	Eq Forklifts	Equipment
8170	2018 CATERPILLAR FORKLIFT	\$ 105,578.17	Eq Forklifts	Equipment
7175	2019 CLARK TRAILER	\$ 65,592.91	Trailer Van	Equipment
1331	2017 FORD F150	\$ 33,864.65	Trk 1/2 ton	Light Fleet
1345	2018 FORD F150	\$ 33,764.77	Trk 1/2 ton	Light Fleet
1350	2018 FORD F150	\$ 35,346.63	Trk 1/2 ton	Light Fleet
1351	2018 FORD F150	\$ 33,672.21	Trk 1/2 ton	Light Fleet
1352	2017 FORD F150	\$ 33,685.81	Trk 1/2 ton	Light Fleet
1354	2018 FORD F150	\$ 34,202.26	Trk 1/2 ton	Light Fleet
1355	2018 FORD F150	\$ 33,443.81	Trk 1/2 ton	Light Fleet

**2018 Fleet Purchases over \$30,000 per Unit**

Unit	Description	AcquistnValue	Object type	Object Category
1358	2018 FORD F150	\$ 34,737.75	Trk 1/2 ton	Light Fleet
1362	2018 FORD F150	\$ 33,790.41	Trk 1/2 ton	Light Fleet
3015	2017 DODGE RAM 5500	\$ 181,870.51	Trk w/Single Bucket	Medium Fleet
3025	2017 FORD F550	\$ 183,439.39	Trk w/Single Bucket	Medium Fleet
3027	2017 FORD F550	\$ 183,258.66	Trk w/Single Bucket	Medium Fleet
3053	2017 FORD F550	\$ 182,577.13	Trk w/Single Bucket	Medium Fleet
3055	2017 FORD F550	\$ 185,610.43	Trk w/Single Bucket	Medium Fleet
3057	2017 FORD F550	\$ 182,315.17	Trk w/Single Bucket	Medium Fleet
3099	2017 FORD F550	\$ 183,303.38	Trk w/Single Bucket	Medium Fleet
3114	2017 FORD F550	\$ 184,433.59	Trk w/Single Bucket	Medium Fleet
8172	2017 RAYMOND ORDER PICKER	\$ 31,397.24	Equip man lift	Equipment
8194	2017 JLG MAN LIFT	\$ 169,340.00	Equip man lift	Equipment
8184	2017 CATERPILLAR FORKLIFT	\$ 55,147.90	Eq Forklifts	Equipment
7192	2018 GREAT DANE TRAILER	\$ 72,688.33	Trailer load bearing	Equipment
1375	2018 FORD ESCAPE	\$ 30,227.56	Sport Utility Vehicle	Light Fleet
1376	2018 FORD F150	\$ 30,572.73	Trk 1/2 ton	Light Fleet
1377	2018 FORD F150	\$ 31,177.13	Trk 1/2 ton	Light Fleet
1378	2018 FORD F150	\$ 30,746.70	Trk 1/2 ton	Light Fleet
1379	2018 FORD F150	\$ 31,384.66	Trk 1/2 ton	Light Fleet
1383	2018 FORD F150	\$ 30,615.64	Trk 1/2 ton	Light Fleet
1384	2018 FORD F150	\$ 32,945.98	Trk 1/2 ton	Light Fleet
1388	2018 FORD F150	\$ 36,320.65	Trk 1/2 ton	Light Fleet
6025	2017 FORD F250	\$ 52,449.37	Trk 3/4 ton w/o body	Light Fleet
8241	2018 CATERPILLAR FORKLIFT	\$ 48,550.90	Eq Forklifts	Equipment
6196	2017 FORD F250	\$ 38,285.38	Trk 3/4 ton w/o body	Light Fleet
1423	2018 FORD F150	\$ 32,230.11	Trk 1/2 ton	Light Fleet
1437	2018 FORD F150	\$ 41,914.04	Trk 1/2 ton	Light Fleet
1443	2018 FORD F150	\$ 42,616.24	Trk 1/2 ton	Light Fleet
7236	2017 MYCO M20-22HTA TRAILER	\$ 217,921.73	Trlr w/spcl mntd eq	Equipment
7245	2017 MYCO M20-22HTA TRAILER	\$ 217,634.94	Trlr w/spcl mntd eq	Equipment
1469	2018 FORD EXPLORER	\$ 35,065.15	Sport Utility Vehicle	Light Fleet
2815	2018 FORD TRANSIT VAN	\$ 39,096.15	Van Full Size	Light Fleet

**2018 Fleet Purchases over \$30,000 per Unit**

Unit	Description	AcquistnValue	Object type	Object Category
7247	2018 MANSFIELD TRAILER	\$ 59,449.72	Trlr w/spcl mntd eq	Equipment
7255	2018 MANSFIELD TRAILER	\$ 54,201.33	Trlr w/spcl mntd eq	Equipment
7267	2018 FIBER OPTIC TRAILER	\$ 55,140.53	Trlr w/spcl mntd eq	Equipment
1585	2018 FORD F150	\$ 44,839.15	Trk 1/2 ton	Light Fleet
1587	2018 FORD F150	\$ 44,179.37	Trk 1/2 ton	Light Fleet
1588	2018 FORD F150	\$ 43,969.06	Trk 1/2 ton	Light Fleet
1592	2018 FORD F150	\$ 44,297.40	Trk 1/2 ton	Light Fleet
1594	2018 FORD F150	\$ 44,243.71	Trk 1/2 ton	Light Fleet
1635	2018 FORD F150	\$ 30,193.61	Trk 1/2 ton	Light Fleet
1583	2018 FORD F150	\$ 39,159.38	Trk 1/2 ton	Light Fleet
8257	2018 MAGNUM GENERATOR	\$ 55,186.83	Misc towed equip	Equipment
1689	2018 FORD EXPLORER	\$ 32,237.12	Sport Utility Vehicle	Light Fleet
1754	2018 FORD F150	\$ 34,931.74	Trk 1/2 ton	Light Fleet
1760	2018 FORD F150	\$ 31,892.98	Trk 1/2 ton	Light Fleet
1762	2018 FORD F150	\$ 37,687.37	Trk 1/2 ton	Light Fleet
1765	2018 FORD F150	\$ 31,294.87	Trk 1/2 ton	Light Fleet
6195	2018 FORD EXPEDITION	\$ 56,215.67	Sport Utility Vehicle	Light Fleet
7357	2019 TRAIL-EZE TRAILER	\$ 93,576.13	Trailer load bearing	Equipment
1817	2018 FORD F150	\$ 33,394.29	Trk 1/2 ton	Light Fleet
0016	2017 CHEVROLET BOLT	\$ 43,147.66	Car	Light Fleet
0025	2017 CHEVROLET BOLT	\$ 39,189.45	Car	Light Fleet
0027	2017 CHEVROLET BOLT	\$ 39,117.81	Car	Light Fleet
0029	2017 CHEVROLET BOLT	\$ 39,154.07	Car	Light Fleet

**CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC  
2019 CEHE RATE CASE  
DOCKET 49421-SOAH DOCKET NO. 473-19-3864**

**CITY OF HOUSTON  
REQUEST NO.: COH10-21**

**QUESTION:**

Reference witness Pryor's WP RMP-2 and explain why the annual cost of vehicles purchased each year under the "FLEET" project was significantly higher in 2012, 2015 and 2016 and provide the Company's policy governing vehicle purchases

**ANSWER:**

Fleet Services does not have a formal policy governing vehicle purchases but does follow consistent guidance that is provided below. The annual cost of vehicles is the result of following that guidance such that needs each year can materially fluctuate depending on the type and number of vehicle units and fleet equipment necessary to support utility operations. The years 2012, 2015, and 2016 are part of that process and there is no specific identifiable variance that makes those years different from 2014 or 2018 which also had an annual spend of around \$20 million. In reviewing the nine years from 2010 – 2018, there were four years where annual spend was less than \$10 million and five years where annual spend was over \$15 million with all years following the guidance and process described below.

**CNP Vehicle and Fleet Equipment Replacement Guidance**

CNP uses consistent vehicle and fleet equipment replacement guidance for budgetary and strategic planning purposes which was developed over the years based on knowledge of utility industry fleet practices and the CNP fleet lifecycle which includes costs from initial acquisition, maintenance and depreciation costs, and salvage costs upon retirement. A matrix, which is attached as COH10-21 Attachment 1, is utilized within Fleet Services to help identify the need for replacement based on the applicable criteria and a goal of maximizing the useful life of fleet assets while providing safe and practical transportation for all aspects of utility operations. A rating system has been established to determine the priority of replacements. There are many factors that determine the actual replacement of a vehicle. While age and mileage are the primary factors, maintenance cost and condition of the asset are considered when they impact the overall performance of the asset. The mileage of the vehicle has a higher weighting than the age of the vehicle and the combined rating of age and mileage is used to determine the priority of replacements.

Annually, Fleet Services evaluates the entire fleet and presents a recommended 5-year capital plan for vehicle and equipment purchases. The plan focuses on a consistent replacement strategy for each class/type of vehicle. The capital fleet plan is assessed in conjunction with the overall business unit capital plan. Economic restrictions may require the business unit to retain vehicles longer than anticipated or high operating cost of existing vehicles may accelerate the replacement of a vehicle. Once approval is received during the annual budgeting process, specific purchases are identified and completed the following year as supported by the plan and utility needs.

**SPONSOR (PREPARER):**

Randal Pryor (Randal Pryor)

**RESPONSIVE DOCUMENTS:**

COH10-21 Attachment 1.xlsx

**VEHICLE RATING CHART**  
**CENTERPOINT ENERGY FLEET SERVICES**

SOAH DOCKET NO. 473-19-3864  
PUC Docket No. 49421  
COH10-21 Attachment 1  
Page 1 of 1

**Vehicle Type and Minimum Age or Mileage**  
**Cars, SUV's, Compact Trucks, and Compact Vans**

	8 years or 110,000 miles									
<b>Age (Years)</b>	1-2	3-4	5	6	7	8	9	10	11	12 <sup>A</sup>
<b>Age Rating</b>	1	2	3	4	5	6	7	8	9	10
<b>Mileage (Thousands)</b>	0-50	51-70	71-85	86-100	101-115	116-130	131-145	146-160	161-175	176 <sup>A</sup>
<b>Mileage Rating</b>	1	2	3	4	5	6	7	8	9	10

**Full-Size Pickup Trucks and Vans (Gas)**  
**Light Trucks without Body or Mounted Equipment (Gas)**

	8 years or 120,000 miles									
<b>Age (Years)</b>	1-3	4-5	6	7	8	9	10	11-12	13-14	15 <sup>A</sup>
<b>Age Rating</b>	1	2	3	4	5	6	7	8	9	10
<b>Mileage (Thousands)</b>	0-40	41-60	61-80	81-100	101-12	121-140	141-160	161-180	181-200	201 <sup>A</sup>
<b>Mileage Rating</b>	1	2	3	4	5	6	7	8	9	10

**Full-Size Pickup Trucks (Diesel)**  
**Passenger and Cargo Vans (Diesel)**  
**Light Trucks without Body or Mounted Equipment (Diesel)**

	8 years or 150,000 miles									
<b>Age (Years)</b>	1-2	3-4	5	6	7	8	9	10	11	12 <sup>A</sup>
<b>Age Rating</b>	1	2	3	4	5	6	7	8	9	10
<b>Mileage (Thousands)</b>	0-40	41-60	61-80	81-100	101-120	121-140	141-160	161-180	181-200	201 <sup>A</sup>
<b>Mileage Rating</b>	1	2	3	4	5	6	7	8	9	10

**Light Trucks with Body or Mounted Equipment (Diesel) 3/4 & 1 Ton**

	10 years or 150,000 miles									
<b>Age (Years)</b>	1-2	3-4	5	6	7	8	9	10	11	12 <sup>A</sup>
<b>Age Rating</b>	1	2	3	4	5	6	7	8	9	10
<b>Mileage (Thousands)</b>	0-40	41-60	61-80	81-100	101-120	121-140	141-160	161-180	181-200	201 <sup>A</sup>
<b>Mileage Rating</b>	1	2	3	4	5	6	7	8	9	10

**Medium-Duty Trucks (10,001-20,000 GVW) F450 & F550**

	10 years or 150,000 miles									
<b>Age (Years)</b>	1-2	3-4	5	6	7	8	9	10	11	12 <sup>A</sup>
<b>Age Rating</b>	1	2	3	4	5	6	7	8	9	10
<b>Mileage (Thousands)</b>	0-40	41-60	61-80	81-100	101-120	121-140	141-160	161-180	181-200	201 <sup>A</sup>
<b>Mileage Rating</b>	1	2	3	4	5	6	7	8	9	10

**Medium-Duty Man-lifts and Aerial Devices (10,001-20,000 GVW)**

	10 years or 150,000 miles									
<b>Age (Years)</b>	1-2	3-4	5	6	7	8	9	10	11	12 <sup>A</sup>
<b>Age Rating</b>	1	2	3	4	5	6	7	8	9	10
<b>Mileage (Thousands)</b>	0-40	41-60	61-80	81-100	101-120	121-140	141-160	161-180	181-200	201 <sup>A</sup>
<b>Mileage Rating</b>	1	2	3	4	5	6	7	8	9	10

**Crew Truck 31,000 GVWR**

	12 years or 200,000 miles									
<b>Age (Years)</b>	1-3	4-5	6-7	8	9	10	11	12	13	14 <sup>A</sup>
<b>Age Rating</b>	1	2	3	4	5	6	7	8	9	10
<b>Mileage (Thousands)</b>	0-40	41-60	61-80	81-100	101-120	121-140	141-160	161-180	181-200	201 <sup>A</sup>
<b>Mileage Rating</b>	1	2	3	4	5	6	7	8	9	10

**Maintenance Ratings for Aerial Units**

	Maintenance Total over 36 Months									
<b>Maintenance</b>	0-\$4,000	\$4,100-\$6,000	\$6,100-\$8,000	\$8,100-\$10,000	\$10,100-\$12,000	\$12,100-\$14,000	\$14,100-\$16,000	\$16,100-\$18,000	\$18,100-\$20,000	\$21,000 <sup>A</sup>
<b>Maintenance Rating</b>	1	2	3	4	5	6	7	8	9	10

**Condition Ratings for Aerial Units**

	Condition Ratings provided by Fleet Crew Leaders Bi-Annually		
<b>Condition</b>	Good	Fair	Poor
<b>Condition Rating</b>	1	5	10

**CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC  
2019 CEHE RATE CASE  
DOCKET 49421-SOAH DOCKET NO. 473-19-3864**

**CITY OF HOUSTON  
REQUEST NO.: COH10-22**

**QUESTION:**

Reference page 19, Figure 5 of witness Pryor's direct testimony and provide the capital investment for each category of listed reliability improvements by year.

**ANSWER:**

See response to OPUC01-16 for the capital investment for each category in Figure 5 for 2010 – 2018.

**SPONSOR (PREPARER):**  
Randal Pryor (Randal Pryor)

**RESPONSIVE DOCUMENTS:**  
None



**CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC  
2019 CEHE RATE CASE  
DOCKET 49421-SOAH DOCKET NO. 473-19-3864**

**CITY OF HOUSTON  
REQUEST NO.: COH10-23**

**QUESTION:**

Reference page 19, Figure 5 of witness Pryor's direct testimony and provide the estimated improvement to CEHE's SAIDI performance (minutes per year) associated with each listed category of reliability improvements.

**ANSWER:**

As discussed in the response to COH 10-13, CenterPoint Houston has a number of reliability improvement programs that will result in many of the capital reliability improvements for the categories listed in Figure 5 of witness Pryor's direct testimony. For the capital improvement categories Overhead Service Rehabilitation, Pole and URD Replacement, there are benefits to the capital investments, especially since these were necessary improvements to resolve an equipment or facility issue, but there is not a direct correlation between the capital dollars spent and SAIDI impact.

IGSD installations facilitate the isolation of faults on distribution feeders by remote control and thus provide a benefit to system SAIDI. See the chart below for the annual system SAIDI savings for these devices since 2014. To be clear, the \$7.3 million in Figure 5 for IGSD installations is not the total investment over the last 9 years because for much of that time the capital dollars for IGSD installations were not separately accounted for, but were attributed to other accounts. A rough estimate of the capital dollars invested in IGSD installations for 2010-2018 is approximately \$79 million, and as a result the cumulative SAIDI savings for 2014-2018 is 62.19 minutes.

(Millions of Dollars)

	2014	2015	2016	2017	2018
IGSD System SAIDI Savings	6.32	8.28	18.74	18.93	9.92

For the Street Lighting and Capacitor categories, the capital investments items do not have an impact on system SAIDI.

**SPONSOR (PREPARER):**  
Dale Bodden (Dale Bodden)

**RESPONSIVE DOCUMENTS:**  
None

**CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC  
2019 CEHE RATE CASE  
DOCKET 49421-SOAH DOCKET NO. 473-19-3864**

**CITY OF HOUSTON  
REQUEST NO.: COH10-24**

**QUESTION:**

Reference page 19, Figure 5 of witness Pryor's direct testimony and explain how replacement of capacitors and streetlighting improve distribution service reliability as measured by SAIDI.

**ANSWER:**

The capital improvements associated with capacitors and streetlights do not improve distribution service reliability as measured by SAIDI. Capacitors improve power factor and thus operational efficiency, and streetlights provide a public service.

**SPONSOR (PREPARER):**  
Randal Pryor (Randal Pryor)

**RESPONSIVE DOCUMENTS:**  
None

**CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC  
2019 CEHE RATE CASE  
DOCKET 49421-SOAH DOCKET NO. 473-19-3864**

**CITY OF HOUSTON  
REQUEST NO.: COH10-25**

**QUESTION:**

Reference page 21, Figure 6 of witness Pryor's direct testimony and provide the capital investment for each category of listed service restoration investments by year.

**ANSWER:**

See response to OPUC01-16 for the capital investment for each category in Figure 6 for 2010 – 2018.

**SPONSOR (PREPARER):**

Randal Pryor (Randal Pryor)

**RESPONSIVE DOCUMENTS:**

None

**CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC  
2019 CEHE RATE CASE  
DOCKET 49421-SOAH DOCKET NO. 473-19-3864**

**CITY OF HOUSTON  
REQUEST NO.: COH10-26**

**QUESTION:**

Reference page 34 of witness Pryor's direct testimony and provide the annual SAIDI contribution of pole failure outages for each year since 2010.

**ANSWER:**

The annual SAIDI contribution of pole failures to system SAIDI is provided in the following chart.

<b>Year</b>	<b>SAIDI</b>
2010	7.006
2011	5.977
2012	5.454
2013	6.766
2014	6.965
2015	11.376
2016	9.029
2017	8.101
2018	6.725

**SPONSOR (PREPARER):**

Dale Bodden (Dale Bodden)

**RESPONSIVE DOCUMENTS:**

None

**CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC  
2019 CEHE RATE CASE  
DOCKET 49421-SOAH DOCKET NO. 473-19-3864**

**CITY OF HOUSTON  
REQUEST NO.: COH10-27**

**QUESTION:**

Reference page 35 of witness Pryor's direct testimony and provide the annual SAIDI contribution of URD cable failure outages for each year since 2010.

**ANSWER:**

The annual SAIDI contribution of URD cable failure outages to system SAIDI is provided in the following chart.

<b>Year</b>	<b>SAIDI</b>
2010	1.932
2011	5.477
2012	5.134
2013	6.678
2014	6.827
2015	5.412
2016	5.575
2017	5.230
2018	5.035

**SPONSOR (PREPARER):**  
Dale Bodden (Dale Bodden)

**RESPONSIVE DOCUMENTS:**  
None

### **CERTIFICATE OF SERVICE**

I hereby certify that on this 16<sup>th</sup> day of May 2019, a true and correct copy of the foregoing document was served on all parties of record in accordance with 16 Tex. Admin. Code § 22.74.

  
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