CITY OF AUSTIN – AUSTIN ENERGY **AGENDA DATE: 3/5/2015**
RECOMMENDATION FOR COUNCIL ACTION

SUBJECT: Authorize negotiation and execution of an agreement with College Houses, to provide a performance-based incentive for the generation of solar energy at its facility located at 1905 Nueces St., Austin, Texas 78705, for an estimated $10,037 per year, for a total amount not to exceed $100,370 over a 10-year period.

AMOUNT & SOURCE OF FUNDING: Funding in the amount of $10,037 is included in the Fiscal Year 2014-2015 Operating Budget of Austin Energy.

FISCAL NOTE: There is no unanticipated fiscal impact. A fiscal note is not required.

FOR MORE INFORMATION CONTACT: Jeff Vice, Director, Local Government Issues (512) 322-6087; Danielle Murray, Solar Program Manager (512) 322-6055.

BOARD AND COMMISSION ACTION: To be reviewed by the Resource Management Commission on February 17, 2015 and the Electric Utility Commission on February 23, 2015.

Austin Energy requests authorization to enter into an agreement with College Houses, to provide a performance-based incentive (PBI) for an estimated $10,037 per year, for a total amount not to exceed $100,370 over the 10-year period for the generation of solar energy at its student co-op housing facility, Nueces Co-op, located at 1905 Nueces St., Austin, Texas 78705.

Austin Energy's solar program offers commercial customers incentive payments based on the metered solar production of their approved system for the first 10 years of operation. The payments are made as a monthly billing adjustment to the customer's account. The program was launched in 2010, replacing the upfront solar rebate for commercial customers.

The PBI level for this project is $0.09 per kilowatt hour (kWh) for 10 years. The total installation cost is $350,000 and the incentive will cover between 25% and 29% of the total cost. The solar equipment, which meets Austin Energy program requirements, includes a total of 212 solar modules rated at 327 watts and associated inverters rated at 96% efficiency. A total of 58 kW-AC in demand savings is expected.

This energy improvement will save an estimated 96,912 kWh per year—enough to provide electricity to nine average Austin homes for a year. These savings are equivalent to the planting of 1,495 trees or 75 acres of forest in Austin's parks or the removal of 130,655 vehicle miles or 11 cars from Austin roadways. This project will save 64 tons of Carbon Dioxide (CO2); 81 pounds of Sulfur Dioxide (SO2); 89 pounds of Nitrogen Oxide (NOX); and 62 pounds of Carbon Monoxide (CO) from being emitted into the atmosphere each year, and 43,610 gallons of water from being used at a power plant.

Austin Energy
Project Fact Sheet
Solar Applications

File Number	PBI208
Customer Name	College Houses, LLC
Facility Address	1905 Nueces St., 78705
Customer Contact	Angela Atwood
Phone Number	512-476-5678
Estimated Total Incentives	$10,037 per year for 10-years
Application Received Date	1/20/2015
Number of Modules	212
Wattage per Module (STC)	327
Inverter Efficiency	97.5%
Solar Contractor	Circular Energy
Contractor Contact	Miles Whitten
Contractor Phone	512-470-8704
Installation Cost	$350,000
Estimated kWh Savings	96,912 kWh per year
Estimated kW Demand Savings	58 kW-AC
Estimated Date of Completion	TBD
Site Information/Additional Comments	College student co-op housing for up to 36 students.

CITY OF AUSTIN – AUSTIN ENERGY **AGENDA DATE: 3/5/2015**
RECOMMENDATION FOR COUNCIL ACTION

SUBJECT: Authorize negotiation and execution of an agreement with Hops and Grain, LLC, to provide a performance-based incentive for the generation of solar energy at its facility located at 507 Calles St., Austin, Texas 78702 for an estimated $9,208 per year, for a total amount not to exceed $92,080 over a 10-year period.

AMOUNT & SOURCE OF FUNDING: Funding in the amount of $9,208 is included in the Fiscal Year 2014-2015 Operating Budget of Austin Energy.

FISCAL NOTE: There is no unanticipated fiscal impact. A fiscal note is not required.

FOR MORE INFORMATION CONTACT: Jeff Vice, Director, Local Government Issues (512) 322-6087; Danielle Murray, Solar Program Manager (512) 322-6055.

BOARD AND COMMISSION ACTION: February 17, 2015 - To be reviewed by the Resource Management Commission. February 23, 2015 - To be reviewed by the Electric Utility Commission.

Austin Energy requests authorization to enter into an agreement with Hops and Grain, LLC, to provide a performance-based incentive (PBI) for an estimated $9,208 per year, for a total amount not to exceed $92,080 over the 10-year period for the generation of solar energy at its craft brewery facility located at 507 Calles St., Austin, Texas 78702.

Austin Energy's solar program offers commercial customers incentive payments based on the metered solar production of their approved system for the first 10 years of operation. The payments are made as a monthly billing adjustment to the customer's account. The program was launched in 2010, replacing the upfront solar rebate for commercial customers.

The PBI level for this project is $0.09 per kilowatt hour (kWh) for 10 years. The total installation cost is $220,000 and the incentive will cover between 36% and 42% of the total cost. The solar equipment, which meets Austin Energy program requirements, includes a total of 242 solar modules rated at 255 watts and associated inverters rated at 97.5% efficiency. A total of 48 kW-AC in demand savings is expected.

This energy improvement will save an estimated 88,965 kWh per year—enough to provide electricity to eight average Austin homes for a year. These savings are equivalent to the planting of 1,372 trees or 69 acres of forest in Austin's parks or the removal of 119,941 vehicle miles or 10 cars from Austin roadways. This project will save 59 tons of Carbon Dioxide (CO2); 74 pounds of Sulfur Dioxide (SO2); 82 pounds of Nitrogen Oxide (NOX); and 57 pounds of Carbon Monoxide (CO) from being emitted into the atmosphere each year, and 40,034 gallons of water from being used at a power plant.

Austin Energy
Project Fact Sheet
Solar Applications

File Number	PBI203
Customer Name	Hops and Grain, LLC
Facility Address	507 Calles St., 78702
Customer Contact	Josh Hare
Phone Number	512-537-9756
Estimated Total Incentives	$9,208 per year for 10-years
Application Received Date	12/23/2014
Number of Modules	242
Wattage per Module (STC)	255
Inverter Efficiency	97.5%
Solar Contractor	Circular Energy
Contractor Contact	Miles Whitten
Contractor Phone	512-879-4623
Installation Cost	$220,000
Estimated kWh Savings	88,965 kWh per year
Estimated kW Demand Savings	48 kW-AC
Estimated Date of Completion	TBD
Site Information/Additional Comments	Craft Brewery in Austin Texas

CITY OF AUSTIN – AUSTIN ENERGY **AGENDA DATE: 3/5/2015**
RECOMMENDATION FOR COUNCIL ACTION

SUBJECT: Authorize negotiation and execution of an agreement with The Settlement Home for Children, to provide performance-based incentives for the generation of solar energy at its facility located at 1600 Payton Gin Rd., Austin, Texas 78758, for an estimated $11,038 per year, for a total amount not to exceed $110,380 over a 10-year period.

AMOUNT & SOURCE OF FUNDING: Funding in the amount of $11,038 is included in the Fiscal Year 2014-2015 Operating Budget of Austin Energy.

FISCAL NOTE: There is no unanticipated fiscal impact. A fiscal note is not required.

FOR MORE INFORMATION CONTACT: Jeff Vice, Director, Local Government Issues (512) 322-6087; Danielle Murray, Solar Program Manager (512) 322-6055.

BOARD AND COMMISSION ACTION: February 17, 2015 - To be reviewed by the Resource Management Commission. February 23, 2015 - To be reviewed by the Electric Utility Commission.

Austin Energy requests authorization to enter into an agreement with The Settlement Home for Children, to provide performance-based incentives (PBIs) for an estimated $11,038 per year, for a total amount not to exceed $110,380 over the 10-year period for the generation of solar energy at its facility located at 1600 Payton Gin Rd., Austin, Texas 78758. The Settlement Home is an onsite housing and treatment facility.

Austin Energy's solar program offers commercial customers incentive payments based on the metered solar production of their approved system for the first 10 years of operation. The payments are made as a monthly billing adjustment to the customer's account. The program was launched in 2010, replacing the upfront solar rebate for commercial customers.

The PBI level for this project is $0.09 per kilowatt hour (kWh) for 10 years. The total installation cost is $192,500 and the incentive will cover between 50% and 57% of the total cost. The solar equipment, which meets Austin Energy program requirements, includes a total of 291 solar modules rated at 260 watts and associated inverters rated at 96.5% efficiency. A total of 58 kW-AC in demand savings is expected.

This energy improvement will save an estimated 106,638 kWh per year—enough to provide electricity to nine average Austin homes for a year. These savings are equivalent to the planting of 1,645 trees or 82 acres of forest in Austin's parks or the removal of 143,768 vehicle miles or 12 cars from Austin roadways. This project will save 71 tons of Carbon Dioxide (CO2); 89 pounds of Sulfur Dioxide (SO2); 98 pounds of Nitrogen Oxide (NOX); and 68 pounds of Carbon Monoxide (CO) from being emitted into the atmosphere each year, and 47,987 gallons of water from being used at a power plant.

Austin Energy
Project Fact Sheet
Solar Applications

File Number	PBI205 & PBI206
Customer Name	The Settlement Home for Children
Facility Address	1600 Payton Gin Rd., 78758
Customer Contact	Jacob Huereca
Phone Number	512-836-2150
Estimated Total Incentives	$11,038 per year for 10-years
Application Received Date	1/8/2015
Number of Modules	291
Wattage per Module (STC)	260
Inverter Efficiency	96.5%
Solar Contractor	Circular Energy
Contractor Contact	Richard Estrada
Contractor Phone	512-796-1719
Installation Cost	$192,500
Estimated kWh Savings	106,638 kWh per year
Estimated kW Demand Savings	58 kW-AC
Estimated Date of Completion	TBD
Site Information/Additional Comments	The Settlement Home for Children serves individuals with histories of severe trauma, abuse, and neglect. They have onsite housing and treatment centers.

CITY OF AUSTIN – AUSTIN ENERGY **AGENDA DATE: 03/05/2014**
RECOMMENDATION FOR COUNCIL ACTION

SUBJECT: Approve issuance of a rebate to Austin Community College for the installation of energy efficiency measures at its newly constructed Highland Campus located at 6101 Airport Blvd., Austin, Texas 78752, in an amount not to exceed $86,926.65

AMOUNT & SOURCE OF FUNDING: Funding is available in the Fiscal Year 2014-2015 Operating Budget of Austin Energy.

FISCAL NOTE: There is no unanticipated fiscal impact. A fiscal note is not required.

FOR MORE INFORMATION CONTACT: Jeff Vice, Director, Local Government Issues (512) 322-6450; Denise Kuehn, Director, Energy Efficiency Services (512) 322-6138.

BOARD AND COMMISSION ACTION: February 17, 2015 - To be reviewed by the Resource Management Commission. February 23, 2015 - To be reviewed by the Electric Utility Commission.

Austin Energy requests authorization to issue a rebate to Austin Community College (ACC) in the amount of $86,926.65 for the following energy efficiency measures at its new Highland Campus: high efficiency chillers, cooling towers, variable frequency drives, direct expansion air-conditioning, interior lighting and lighting controls, and roof insulation. These improvements are in accordance with the City of Austin's Commercial Rebate Program guidelines.

The Highland Campus, located at 6101 Airport Blvd., Austin, Texas 78752, is the latest addition to ACC's portfolio and is expected to accommodate 6,000 students. The total cost of this project is $70,000,000 and the rebate will cover 0.124% of the cost.

This program is one element of Austin Energy's comprehensive Resource, Generation and Climate Protection Plan to realize 700 MW of energy efficiency and 200 MW of demand response by 2025. The original plan, approved by City Council in April 2010 and updated in December 2014, is designed in part to reduce local air pollution through energy conservation, reduce peak demand and assist customers in reducing electric consumption.

The demand (kilowatt or kW) savings associated with this energy efficiency project are estimated at 323.64 kW, at a program cost of $268.59 per kilowatt saved. The avoided kilowatt hours (kWh) estimated at 1,184,586 kWh per year represents a major benefit to the local environment. This project will prevent the following air pollutants from being emitted: 711.3 metric tons of Carbon Dioxide (CO2), 0.448 metric tons of Sulfur Dioxide (SO2) and 0.496 metric tons of Nitrogen Oxides (NOX).

In addition to the reduced air and toxic pollution, the project savings are also equivalent to an estimated 1,597,038 vehicle miles traveled, the removal of 136 cars from our roadways, the planting of 18,274 trees or 914 acres of forest in Austin's parks. The project will also generate approximately 533,064 gallons of water conservation at the generation power plant.

RCA FACT SHEET – Austin Community College – Highland Campus

Property Name	Austin Community College – Highland Campus		
Customer Name	Austin Community College		
Property Address	6101 Airport Blvd.; Austin, TX 78735		
Customer Contact	Andy Kim	**Total Project Cost**	$70,000,000.00
ECAD Status		**Total Rebate – Not to Exceed**	$86,926.65
New Campus - Exempt		**% of Total Project**	.124%

PROJECT SAVINGS	
kW Saved – Estimated	323.64
$/kW – Estimated	$268.59
kWh Saved – Estimated	1,184,586

SCOPE OF WORK

Austin Community College has installed the following energy efficiency measures at its Highland Campus through Austin Energy's Commercial Energy Efficiency Program.

High Efficiency Chillers, Cooling Towers, Variable Frequency Drives, Direct Expansion Air-Conditioning, Interior Lighting, Lighting Controls, and Roof Insulation.

Commercial New Construction Rebates			
Measure	**Dollars/kW**	**kW Saved**	**kWh Saved**
High Efficiency Chillers	$515.43	31.90	41,945
Cooling Towers	$250.14	63.0	204,862
Variable Frequency Drives	$370.72	45.40	141,663
Direct Expansion Air Conditioning	$1,333.33	2.52	91,341
Interior Lighting	$112.10	110.23	487,207
Lighting Controls	$108.01	27.39	121,468
Roof Insulation	$444.91	43.20	96,100

Commercial Energy Efficiency Program for FY2015						
Program	**kW Savings Goal**	**YTD kW Savings**	**% of Goal**	**Budget**	**YTD Dollars Spent**	**YTD Participation**
Commercial Rebates	12,150	1,567	12.9	$3,500,000	$424,952	136
Small Business Rebates	2,870	1,428	49.7	$1,976,053	$1,592,563	214

CITY OF AUSTIN – AUSTIN ENERGY **AGENDA DATE: 03/05/2014**
RECOMMENDATION FOR COUNCIL ACTION

SUBJECT: Approve issuance of a rebate to Freescale Semiconductor Inc. for the installation of energy efficiency improvements at its Oak Hill Campus located at 6501 William Cannon Drive West, Austin, Texas 78735, in an amount not to exceed $58,286.39

AMOUNT & SOURCE OF FUNDING: Funding is available in the Fiscal Year 2014-2015 Operating Budget of Austin Energy.

FISCAL NOTE: There is no unanticipated fiscal impact. A fiscal note is not required.

FOR MORE INFORMATION CONTACT: Jeff Vice, Director, Local Government Issues (512) 322-6450; Denise Kuehn, Director, Energy Efficiency Services (512) 322-6138.

BOARD AND COMMISSION ACTION: February 17, 2015 – To be reviewed by the Resource Management Commission. February 23, 2015 – To be reviewed by the Electric Utility Commission.

Austin Energy requests authorization to issue a rebate to Freescale Semiconductor, Inc. in the amount of $58,286.39 for the installation of variable frequency drives (VFDs). The VFD is extremely effective at controlling motor speed and torque by varying frequency and voltage. This results in a significant power reduction for a relatively small reduction in speed.

Freescale Semiconductor, Inc. is a high tech manufacturer of chips for the computer and communications industry. The total cost of their project at the Oak Hill Campus is $150,541.34 and the rebate will cover 38.7% of the cost.

This energy efficiency improvement is in accordance with the City of Austin's Commercial Rebate Program guidelines. This program is one element of Austin Energy's comprehensive Resource, Generation and Climate Protection Plan to realize 700 MW of energy efficiency and 200 MW of demand response by 2025. The original plan, approved by City Council in April 2010 and updated in December 2014, is designed in part to reduce local air pollution through energy conservation, reduce peak demand and assist customers in reducing electric consumption.

The demand (kilowatt or kW) savings associated with this energy efficiency project are estimated at 160.3 kW, at a program cost of $363.61 per kilowatt saved. The avoided kilowatt hours (kWh) estimated at 500,097 kWh per year represents a major benefit to the local environment. This project will prevent the following air pollutants from being emitted: 300.3 metric tons of Carbon Dioxide (CO2), 0.189 metric tons of Sulfur Dioxide (SO2) and 0.209 metric tons of Nitrogen Oxides (NOX).

In addition to the reduced air and toxic pollution, the project savings are also equivalent to an estimated 674,222 vehicle miles traveled, the removal of 58 cars from our roadways, the planting of 7,715 trees or 386 acres of forest in Austin's parks. The project will also generate approximately 225,044 gallons of water conservation at a power plant.

RCA FACT SHEET – Freescale Semiconductor – Oak Hill Campus

Property Name	Freescale Semiconductor – Oak Hill Campus		
Customer Name	Freescale Semiconductor, Inc.		
Property Address	6501 William Cannon Drive West; Austin, TX 78735		
Customer Contact	Jerry Inzer	**Total Project Cost**	$150,541.00
ECAD Status		**Total Rebate – Not to Exceed**	$58,286.39
Manufacturing – Predominant use exemption		**% of Total Project**	38.7%

PROJECT SAVINGS	
kW Saved – Estimated	160.3
$/kW – Estimated	$363.61
kWh Saved – Estimated	500,097

SCOPE OF WORK

MEASURE: **Installation of Variable Frequency Drives.** A VFD is a motor controller that drives an electric motor by varying frequency and voltage that directly affects motor speed. This change results in a large power reduction, compared to a fixed-speed operation, for a relatively small reduction in speed.

Previous Measures Performed by Freescale (5 year rebate history)	Completion Date	Rebate Amount
Lighting	7/23/2007	$ 3,013.00
VFD	3/12/2008	$ 4,401.40
UPS & Compressor (Custom)	5/29/2008	$ 12,916.67
Chillers	12/11/2008	$ 8,146.68
Reflective Roof	1/25/2010	$ 20,750.40
Uninterruptable Power Supply (UPS)	11/19/2010	$2,362.50

Commercial Energy Efficiency Program for FY2015						
Program	**kW Savings Goal**	**YTD kW Savings**	**% of Goal**	**Budget**	**YTD Dollars Spent**	**YTD Participation**
Commercial Rebates	12,150	1,567	12.9	$3,500,000	$424,952	136
Small Business Rebates	2,870	1,428	49.7	$1,976,053	$1,592,563	214

CITY OF AUSTIN – AUSTIN ENERGY **AGENDA DATE: 03/05/2014**
RECOMMENDATION FOR COUNCIL ACTION

SUBJECT: Approve issuance of a rebate to Barrington Austin Apartments LLC, for performing energy efficiency improvements at the Barrington at Park Place Apartments Phase II located at 3220 Duval Rd., Austin, Texas 78759, in an amount not to exceed $212,399.

AMOUNT & SOURCE OF FUNDING: Funding is available in the Fiscal Year 2014-2015 Operating Budget of Austin Energy.

FISCAL NOTE: There is no unanticipated fiscal impact. A fiscal note is not required.

FOR MORE INFORMATION CONTACT: Jeff Vice, Director, Local Government Issues (512) 322-6450; Denise Kuehn, Director, Energy Efficiency Services (512) 322-6138.

BOARD AND COMMISSION ACTION: February 17, 2015 - To be reviewed by the Resource Management Commission. February 23, 2015 - To be reviewed by the Electric Utility Commission.

Austin Energy requests authorization to issue a rebate to the Barrington Austin Apartments LLC, in an amount not to exceed $212,399 for performing multiple energy efficiency improvements at Barrington at Park Place Apartments in accordance with the City of Austin's Multi-Family Rebate Program guidelines.

The Barrington at Park Place Apartments are located at 3220 Duval Rd., Austin, Texas 78759. The property comprises 18 buildings containing 294 apartment units, with 198,984 square feet of conditioned space. The average rent for a one bedroom unit ranges from $810 to $900 and the two bedroom unit ranges from $1,110 to $1,130 depending on amenities. The estimated total cost of the project is $196,196 and the rebate will cover approximately 90% of the total cost. The energy and water efficiency upgrades include air infiltration measures and installing solar screens, insulation, pipe wrap, compact fluorescent lighting and low flow water devices.

This program is one element of Austin Energy's comprehensive Resource, Generation and Climate Protection Plan to realize 700 MW of energy efficiency and 200 MW of demand response by 2025. The original plan, approved by City Council in April 2010 and updated in December 2014, is designed in part to reduce local air pollution through energy conservation, reduce peak demand and assist customers in reducing electric consumption.

The demand (kilowatt or kW) savings associated with these energy efficiency improvements is estimated at 220 kW, at a program cost of $967 per kW saved. The avoided kilowatt hours (kWh), estimated at 559,885 kWh per year, represent a major benefit to the local environment. This project will prevent the production of the following air pollutants from being emitted: 336.2 metric tons of Carbon Dioxide (CO2), 0.234 metric tons of Nitrogen Oxides (NOX), and 0.212 metric tons of Sulfur Dioxide (SO2). In addition to the reduced air and toxic pollution, the project savings are also equivalent to an estimated 754,827 vehicle miles traveled, the removal of 64.4 cars from our roadways, or the planting of 8,637 trees or 432 acres of forest in Austin's parks. The project will also generate approximately 251,948 gallons of water conservation at a power plant.

RCA FACT SHEET – BARRINGTON AT PARK PLACE APARTMENTS PH II

Property Name	Barrington at Park Place Apartments Ph II		
Customer Name	Barrington Austin Apartments, LLC		
Property Address	3220 Duval Rd., Austin, TX 78759		
Average Rent:	1 BR $810 to $900 2BR $1,110 to $1,130		
Year Built	1984	Property Tax ID	504105
Number of Residences	294	Contractor	1st Choice Energy
Housing Type:	Market Rate	Cost of Work	$236,000
Customer Contact	Ashley Eaton	Total Rebate - Estimated	$212,399
Customer Phone	512 835-0982	% Rebate Paid - Estimated	90%
ECAD Status	In compliance	Rebate per Residential Dwelling	$722

PROJECT SAVINGS	
kW Saved – Estimated	220
$/kW – Estimated	$967
kWh Saved – Estimated	559,885

SCOPE OF WORK
BUNDLED MEASURES: air seal, water saving devices, pipe wrap, CFLs, solar window screens, duct seal, attic insulation

Previous Measures Performed in last 10 Years	Completion Date	Rebate Amount
N/A	N/A	N/A

Multifamily Program Averages Per Offering – Previous 5 Years					
Measure	Avg$/kW	% of project cost paid	Avg kWh	Avg # of Residences	Avg $ Savings per Residence
Duct Seal	$500	82%	108,000	153	$ 78
Screens/Film	$519	70%	43,786	149	$ 32
Insulation	$211	34%	31,200	55	$ 62
Low-e Windows	$535	16%	30,100	112	$ 30
Reflective roof	$310	4%	35,200	68	$ 57
HVAC	$370	7%	18,750	27	$ 76
MERP*	$860	82%	205,000	116	$194

*MERP (BUNDLED REBATES) SINCE FY 2014

CITY OF AUSTIN – AUSTIN ENERGY **AGENDA DATE: 03/05/2014**
RECOMMENDATION FOR COUNCIL ACTION

SUBJECT: Approve issuance of a rebate to F&F Copper Creek Associates LP for performing energy efficiency improvements at The Hendrix Apartment Homes located at 9811 Copper Creek Dr., Austin, Texas 78729, in an amount not to exceed $265,149.

AMOUNT & SOURCE OF FUNDING: Funding is available in the Fiscal Year 2014-2015 Operating Budget of Austin Energy.

FISCAL NOTE: There is no unanticipated fiscal impact. A fiscal note is not required.

FOR MORE INFORMATION CONTACT: Jeff Vice, Director, Local Government Issues (512) 322-6450; Denise Kuehn, Director, Energy Efficiency Services (512) 322-6138.

BOARD AND COMMISSION ACTION: February 17, 2015 - To be reviewed by the Resource Management Commission. February 23, 2015 - To be reviewed by the Electric Utility Commission.

Austin Energy requests authorization to issue a rebate to F&F Copper Creek Associates, in an amount not to exceed $265,149, for performing multiple energy efficiency improvements at The Hendrix Apartment Homes in accordance with the City of Austin's Multi-Family Rebate Program guidelines.

The Hendrix Apartment Homes are located at 9811 Copper Creek Dr., Austin, Texas 78729. The property comprises 17 buildings containing 442 apartment units, with 476,276 square feet of conditioned space. The average rent for a one bedroom unit ranges from $799 to $859 and the two bedroom unit ranges from $1,050 to $1,100 depending on amenities. The energy and water efficiency upgrades include air infiltration measures, duct sealing and the installation of insulation, solar screens, pipe wrap and low flow water devices. The estimated total cost of the project is $294,845 and the rebate will cover approximately 90% of the total cost.

This program is one element of Austin Energy’s comprehensive Resource, Generation and Climate Protection Plan to realize 700 MW of energy efficiency and 200 MW of demand response by 2025. The original plan, approved by City Council in April 2010 and updated in December 2014, is designed in part to reduce local air pollution through energy conservation, reduce peak demand and assist customers in reducing electric consumption.

The demand (kilowatt or kW) savings associated with these energy efficiency improvements is estimated at 320.1 kW, at a program cost of $828 per kW saved. The avoided kilowatt hours (kWh), estimated at 1,644,208 kWh per year, represent a major benefit to the local environment. This project will prevent the production of the following air pollutants from being emitted: 987.3 metric tons of Carbon Dioxide (CO2), 0.688 metric tons of Nitrogen Oxides (NOX), and 0.622 metric tons of Sulfur Dioxide (SO2). In addition to the reduced air and toxic pollution, the project savings are also equivalent to an estimated 2,216,693 vehicle miles traveled, the removal of 189.1 cars from our roadways, or the planting of 25,364 trees or 1,268 acres of forest in Austin’s parks. The project will also generate approximately 739,894 gallons of water conservation at the power plant.

RCA FACT SHEET – THE HENDRIX APARTMENTS

Property Name	The Hendrix Apartment Homes		
Customer Name	F & F Copper creek Associates LP		
Property Address	9811 Copper Creek Dr., Austin, TX 78729		
Average Rent:	1 BR $799 to $859 2BR $1,050 to $1,100		
Year Built	1984	Property Tax ID	R351319
Number of Residences	442	Contractor	360 Energy Savers
Housing Type:	Market Rate	Cost of Work	$294,845
Customer Contact	Kelli Boos	Total Rebate - Estimated	$265,149
Customer Phone	512 249-4000	% Rebate Paid - Estimated	90%
ECAD Status	In compliance	Rebate per Residential Dwelling	$600

PROJECT SAVINGS	
kW Saved – Estimated	320.1
$/kW – Estimated	$828
kWh Saved – Estimated	1,644,208

SCOPE OF WORK
BUNDLED MEASURES: air seal, water saving devices, pipe wrap, solar window screens, duct seal, attic insulation

Previous Measures Performed in last 10 Years	Completion Date	Rebate Amount
Duct Diagnostic and Improvements	2011	$115,782.00
CFL Light Bulbs	2009	$45,645.00

Multifamily Program Averages Per Offering – Previous 5 Years					
Measure	Avg$/kW	% of project cost paid	Avg kWh	Avg # of Residences	Avg $ Savings per Residence
Duct Seal	$500	82%	108,000	153	$ 78
Screens/Film	$519	70%	43,786	149	$ 32
Insulation	$211	34%	31,200	55	$ 62
Low-e Windows	$535	16%	30,100	112	$ 30
Reflective roof	$310	4%	35,200	68	$ 57
HVAC	$370	7%	18,750	27	$ 76
MERP*	$860	82%	205,000	116	$194

*MERP (bundled rebates) since FY 2014

CITY OF AUSTIN – AUSTIN ENERGY **AGENDA DATE: 03/05/2014**
RECOMMENDATION FOR COUNCIL ACTION

SUBJECT: Approve issuance of a rebate to Mesa Verde Apartments LLC., for performing energy efficiency improvements at The Mesa Verde Apartments located at 3201 Duval Rd., Austin, Texas 78759, in an amount not to exceed $143,200.

AMOUNT & SOURCE OF FUNDING: Funding is available in the Fiscal Year 2014-2015 Operating Budget of Austin Energy.

FISCAL NOTE: There is no unanticipated fiscal impact. A fiscal note is not required.

FOR MORE INFORMATION CONTACT: Jeff Vice, Director, Local Government Issues (512) 322-6450; Denise Kuehn, Director, Energy Efficiency Services (512) 322-6138.

BOARD AND COMMISSION ACTION: February 17, 2015 - To be reviewed by the Resource Management Commission. February 23, 2015 - To be reviewed by the Electric Utility Commission.

Austin Energy requests authorization to issue a rebate to Mesa Verde Apartments LLC, in an amount not to exceed $143,200, for performing multiple energy efficiency improvements at The Mesa Verde Apartments in accordance with the City of Austin's Multi-Family Rebate Program guidelines.

The Mesa Verde Apartments are located at 3201 Duval Rd., Austin, Texas 78759. The property comprises 15 buildings containing 358 apartment units, with 305,124 square feet of conditioned space. The average rent for a one bedroom unit ranges from $885 to $980 and the two bedroom unit ranges from $1,085 to $1,315 depending on amenities. The energy and water efficiency upgrades include air infiltration measures and the installation of solar screens, pipe wrap, compact fluorescent lighting and low-flow water devices. The estimated total cost of the project is $175,464 and the rebate will cover approximately 82% of the total cost.

This program is one element of Austin Energy’s comprehensive Resource, Generation and Climate Protection Plan to realize 700 MW of energy efficiency and 200 MW of demand response by 2025. The original plan, approved by City Council in April 2010 and updated in December 2014, is designed in part to reduce local air pollution through energy conservation, reduce peak demand and assist customers in reducing electric consumption.

The demand (kilowatt or kW) savings associated with these energy efficiency improvements is estimated at 165 kW, at a program cost of $871 per kW saved. The avoided kilowatt hours (kWh), estimated at 626,455 kWh per year, represent a major benefit to the local environment. This project will prevent the production of the following air pollutants from being emitted: 376.2 metric tons of Carbon Dioxide (CO2), 0.262 metric tons of Nitrogen Oxides (NOX), and 0.237 metric tons of Sulfur Dioxide (SO2). In addition to the reduced air and toxic pollution, the project savings are also equivalent to an estimated 844,576 vehicle miles traveled, the removal of 72.1 cars from our roadways, or the planting of 9,664 trees or 483 acres of forest in Austin’s parks. The project will also generate approximately 281,905 gallons of water conservation at a power plant.

RCA FACT SHEET – MESA VERDE APARTMENTS

Property Name	Mesa Verde Apartments		
Customer Name	Mesa Verde Apartments, LLC		
Property Address	3201 Duval Rd., Austin, TX 78759		
Average Rent:	1 BR $885 to $980 2BR $1,085 to $1,315		
Year Built	1993	Property Tax ID	504110
Number of Residences	358	Contractor	1st Choice Energy
Housing Type:	Market Rate	Cost of Work	$175,464
Customer Contact	Monica Felan	Total Rebate - Estimated	$143,200
Customer Phone	512 719-1000	% Rebate Paid - Estimated	82%
ECAD Status	In compliance	Rebate per Residential Dwelling	$400

PROJECT SAVINGS	
kW Saved – Estimated	164.4
$/kW – Estimated	$871
kWh Saved – Estimated	626,455

SCOPE OF WORK
BUNDLED MEASURES: air seal, water saving devices, pipe wrap, CFLs, solar window screens

Previous Measures Performed in last 10 Years	Completion Date	Rebate Amount
N/A	N/A	N/A

Multifamily Program Averages Per Offering – Previous 5 Years					
Measure	Avg$/kW	% of project cost paid	Avg kWh	Avg # of Residences	Avg $ Savings per Residence
Duct Seal	$500	82%	108,000	153	$ 78
Screens/Film	$519	70%	43,786	149	$ 32
Insulation	$211	34%	31,200	55	$ 62
Low-e Windows	$535	16%	30,100	112	$ 30
Reflective roof	$310	4%	35,200	68	$ 57
HVAC	$370	7%	18,750	27	$ 76
MERP*	$860	82%	205,000	116	$194

*MERP (bundled rebates) since FY 2014

AUSTIN CITY COUNCIL

AGENDA

Recommendation for Council Action (Purchasing)

Austin City Council	**Item ID:**	40367	**Agenda Number**	<ITEM_OUTLINE>

Meeting Date:	February 26, 2015
Department:	Purchasing

Subject

Authorize award, negotiation, and execution of three 24-month contracts with KEMA, INC., GDS ASSOCIATES, INC. and LEIDOS INC., or one of the other qualified offerors to RFP No. OPJ0112, for demand side management consulting services in an amount not to exceed $1,000,000 each and combined with two 12-month extension options in an amount not to exceed $500,000 each and combined, for a total amount not to exceed $2,000,000.

Amount and Source of Funding

Funding in the amount of $500,000 is available in the Fiscal Year 2014-2015 Austin Energy Operating Budget. Funding for the remaining 12 months of the initial contract period and extension options are contingent upon available funding in future budgets.

Fiscal Note

There is no unanticipated fiscal impact. A fiscal note is not required.

Purchasing Language:	Best evaluated proposals.
Prior Council Action:	
For More Information:	Oralia Jones, Senior Buyer Specialist, 512-322-6594
Boards and Commission Action:	February 17, 2015 - To be reviewed by the Resource Management Commission. February 23, 2015 - To be reviewed by the Electric Utility Commission.
Related Items:	
MBE / WBE:	This contract will be awarded in compliance with City Code Chapter 2-9C Minority-Owned and Women-Owned Business Enterprise Procurement Program. No subcontracting opportunities were identified; therefore, no goals were established for this solicitation.

Additional Backup Information

These blanket contracts will provide Austin Energy with access to demand side management and supply side resource consulting services through standing contracts with up to three companies which, together, cover a breadth of knowledge related to Austin Energy's distributed energy management programs. The contracts will assist the utility in achieving the energy efficiency and renewable energy goals initiated in the City's Resource, Generation and Climate Protection Plan established in 2007, which have been updated with more aggressive targets of 900 MW of energy efficiency and demand side management by 2025 and 200 MW of local solar by 2025, as well as other action items from Council moving forward. Importantly, these services are used only if necessary, to augment staff resources. Consistent with past practice, specific projects will be awarded based on competitive price quotes.

While Austin Energy has enhanced its capabilities for delivering energy efficiency, demand side management, renewable energy, smart grid, demand response, and the associated carbon reduction and other environmental benefits, addressed in the Resource, Generation and Climate Protection Plan, from time to time its staff will also require specialized independent consulting services to assist in the evaluation of energy plans and strategies for achieving the City's goals. The consultants will provide additional experience and expertise in demand side management, demand response technologies, distributed supply side resources, Electric Reliability Council of Texas (ERCOT) markets, financing, and business model development required for the successful attainment of the City's goals, as well as third-party verification or independent, objective assessment of the City's policy and program proposals as necessary.

Having these consulting services on contract will enable Austin Energy to respond in a cost effective and timely manner to requests from Council or Commissions, and to ongoing business needs as they arise, without issuing multiple separate RFPs for each small project.

The consultants may, for example, review programs and make recommendations to increase participation and cost effectiveness, recommend enhancements in response to changes in energy codes and standards, review best practices, analyze current and proposed Federal and State legislation for efficiency and demand side management programs and their impact on energy programs, as well as carbon management strategies including carbon offsets and the ability to claim savings. The consultants may also assist Austin Energy with the development of solar implementation strategies required to meet its goals for solar power, including rebates, production-based incentives, feed-in tariffs, and the impact on customer bills, and the local electrical distribution system.

Other projects expected to require the consultants' expertise include:

- Site selection and financial analysis of residential, commercial, and utility scale solar from first cost, operation cost, and various financing ownership options.
- ERCOT market analysis to determine the market options and associated values of distributed energy resource management programs and their impacts, load shifting, and storage technologies and strategies, as well as associated strategies.
- Designing electric rates for technologies such as solar photovoltaic, load shifting, and thermal and electric energy storage to properly value the impacts of these technologies.
- Conducting production, financial, and grid impact analyses of distributed generation resources, including customer-sited, behind the meter installations and utility scale energy storage and generation on the distribution or transmission grid.
- Evaluating and projecting the penetration rates, financial impacts, infrastructure upgrades, market impacts of electric vehicles as a load, a controllable load, and active electric storage vehicle to grid.

City Council's mandated 2025 energy efficiency goals necessitate independent, objective consultant analysis of energy efficiency technologies and programs that will:

- provide an up-to-date assessment and baseline to replace the current five year old version;
- lead to internal program improvements through responsive methodology development and deployment;
- create or improve savings verification metrics; and
- enhance the professional skill set of staff.

An Evaluation Committee composed of personnel from Austin Energy with expertise in this area evaluated the proposals and based on the criteria, scored these proposals as those which best meet its requirements. Evaluation criteria included system concept and solutions proposed, experience, evidence of project management practices, personnel qualifications, cost and local business presence.

This request allows for the development of contracts with the qualified offerors selected by Council. If the City is unsuccessful in negotiating satisfactory agreements with the selected offerors, negotiations will cease and staff will return to Council so that another qualified offeror may be selected, authorizing new contract negotiations.

MBE/WBE solicited: 23/13 MBE/WBE bid: 0/0

PRICE ANALYSIS

a. Adequate competition.
b. 349 notices were sent including 23 MBEs and 13 WBEs. Six proposals were received, with no response from the MBE/WBEs.

APPROVAL JUSTIFICATION

a. Best evaluated proposals of six proposals received.
b. The Purchasing Office concurs with Austin Energy's recommended award.
c. Advertised on the Internet.

RFP OPJ0112 - Energy Efficiency, Demand Side Management and Renewable Program Evaluation and Support							
		GDS Associates Austin, TX	Leidos, Inc. Austin, TX	KEMA, Inc. Austin, TX	CLEAResult Inc. Austin, TX	ARUP Texas Inc. Houston, TX	CMG Consulting LLC Lakeway, TX
EVALUATION FACTORS	**POINTS**						
System Concept & Solutions Proposed	20	18	18	18	12	13	13
Demonstrated Applicable Experience and References	20	18	18	19	16	14	10
Evidence of Good Organization and Project Management Practices	10	9	9	9	8	7	8
Personnel Qualifications	20	16	18	19	15	15	14
Evaluated Cost	20	16	13	10	20	14	17
Local Business Presence	10	10	10	10	10	0	0
Total	100	87	86	85	81	63	62

NOTE: As per Section 252.049 of the local government code, contents of a proposal shall remain confidential until a contract is awarded or as directed by the Texas Attorney General's Office.