



**Housing Authority of the  
City of Pittsburgh**

**Moving to Work Demonstration  
Year 15 (FY 2015) Annual Report**

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**Housing Authority of the City of Pittsburgh**  
**Moving To Work Annual Report**  
**2015**

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## **Section 1. Introduction**

### **B. Overview of HACP Moving To Work Goals and Objectives**

HACP's overarching Moving To Work Goals are as follows:

1. To reposition HACP's housing stock. These efforts are designed to result in housing that it is competitive in the local housing market, is cost-effective to operate, provides a positive environment for residents, and provides both higher quality and broader options for low-income families; and,
2. To promote independence for residents via programs and policies that promote work and self-sufficiency for those able, and promote independent living for the elderly and disabled.

In pursuit of these goals, HACP has continued Moving To Work Activities initiated in prior years. These initiatives, including information regarding accomplishment of short and long term goals, are summarized below, with details available in Section IV.

#### **Ongoing/Implemented Activities Summary**

##### **1. Pre-Approval Inspection Certifications in multi-unit housing**

To encourage owners and managers of multi-unit housing properties to lease more units to HCV participants, HACP is streamlining the inspection process for these types of properties. In 2015, The HCV program implemented Pre-Approval Inspection Certifications in multi-unit housing if those units are leased to a HCV program participant within 60 days of the pre-tenancy HQS inspection certification.

HACP experienced positive yet modest results in the first year of implementation. With the on boarding of the landlord advisory council and the addition of the landlord outreach specialist more landlords are applying for the program. HACP expects increased participation in the coming plan year as benefits of the program are realized during unit turnover.

##### **2. The Preferred Owners Program**

The program promotes improved quality of properties and properties in quality neighborhoods, with the aim of addressing the statutory objective to increase housing options for HACP voucher holders. It also aims to increase Cost Effectiveness, as it reduces staff time spent on inspections. Owners or property managers accepted to the program pass a rigorous set of guidelines consistent HQS inspection passes; complete online and in-person trainings for owners and property managers, and commitment to leasing to more than one HCV voucher holder.

Total participation was less than expected in the first year. Most of the plan year required extensive outreach to landlords unfamiliar with the program and wary of entering another process. Toward the end of year, HACP recruited several landlords totaling over 207 units by the

end of 2015. Efforts to target smaller landlords are anticipated for 2016. HACP and the landlord outreach team remains committed to forging relations within the community and recruiting new landlords to the HCV program and in turn increasing participation.

### 3. Modified Rent Policy for the Section 8 Housing Choice Voucher Program

Building on the modified rent policy developed for the Low Income Public Housing Program and approved in 2008, HACP received approval in 2011 to require that any non-elderly, able-bodied head of household who is not working to either a) participate in a self-sufficiency program, including but not limited to the HACP Family Self-Sufficiency program (FSS), other Local Self-Sufficiency program (LSS), welfare to work, or other employment preparation and/or training/educational program or b) pay a minimum tenant payment of \$150.00 per month. This policy provides additional incentives for families to work or prepare for work and increases overall accountability.

HACP's objectives for this program include increased participation by voucher holders in self-sufficiency, welfare to work and other training and education programs; increased levels of employment and earned income by participants; and potentially reduced Housing Assistance Payment costs to the Authority.

In 2015, HACP saw positive results from this initiative, with increases in employment rates both overall and among FSS participants. Escrow activity also increased among FSS participants which implies more families earned wage income throughout the year. Participation in training declined, as criteria for training participation remained competitive, and outside resources for training were limited. Other measures remained fairly stable, as expected but more importantly, participants within the impacted population averaged HAP payments that were significantly lower than the program average. Increases in average HAP payments for the entire program are believed to be a result of a tightening rental market and increases in rents generally, not as a result of any change in income among program participants. HACP remains committed to, and optimistic about, the long term impact of this policy and will secure new third party evaluators to further analyze HACP's rent policies and the FSS program in 2016.

### 4. Modified Rent Policy for the Low Income Public Housing Program.

As approved in 2008, HACP requires that any non-elderly, able-bodied head of household who is not working to either a) participate in the Family Self-Sufficiency (FSS) other Local Self-Sufficiency program (LSS), welfare to work, or other employment preparation and/or training/educational program or b) pay a minimum rent of \$150.00 per month. Hardship exemptions are permitted. This policy provides additional incentives for families to work or prepare for work. HACP's objectives for this program includes increased participation in the Family Self-Sufficiency Program, increase rent collections, and increased level of families working.

In 2015, HACP continued to see progress as a result of this initiative. Number and percentage of families working, both overall and among participants in the FSS program, increased and 27 participants graduated from the program. Average rents experienced there first

increase since 2013 resulting in a 4 percent growth rate. FSS participation remained in line despite high populations of elderly disabled households, FSS graduation totals and tightened pre-qualification criteria and reduced availability of training programs. HACP remains committed to this effort and will secure new third party evaluators to further analyze HACP's rent policies and the FSS program in 2016.

#### 5. Revised recertification requirements policy.

As approved in 2009 and 2010, HACP may operate both the Low Income Public Housing Program and the Housing Choice Voucher Program with a recertification requirement modified to at least once every two years. Changes in income still must be reported, and standard income disregards continue to apply. This policy change reduces administrative burdens on the Authority, thereby reducing costs and increasing efficiency. HACP's objectives for this initiative are reduced staff time and thus reduced costs, and improved compliance with recertification requirements by tenants and the HACP.

In In 2015, HACP saw continuing benefits of this policy, especially in the Housing Choice Voucher program, as total certifications and the time spent on this task declined. The Low Income Public Housing program experienced a significant decline in annual certifications but an increase in interim recertifications, which absorbed much of the cost savings.

#### 6. Homeownership Program Policies

- a. Operation of a combined Low Income Public Housing (LIPH) and Housing Choice Voucher (HCV) Homeownership Program;
- b. Homeownership Program assistance to include soft-second mortgage assistance coupled with closing cost assistance, homeownership and credit counseling, and foreclosure prevention only;
- c. Expansion of Homeownership Program eligibility to persons on the LIPH and HCV program waiting list, and to persons otherwise eligible for housing assistance;
- d. Establishing a Homeownership Soft-second mortgage waiting list.

As approved in 2007, HACP operates a single Homeownership Program open to both Low Income Public Housing and Housing Choice Voucher Program households. This approach reduces administrative costs, and expands housing choices for participating households. HACP also believes this program provides incentives for families to pursue employment and self-sufficiency through the various benefits offered; however, as HUD's new standard metrics do not effectively apply to this aspect of the initiative; in 2014 it was removed as a formal goal.

As approved in 2010, HACP's homeownership program includes the availability of soft-second mortgage assistance, which increases affordability and thus housing choice for eligible families while decreasing costs to the HACP. As the number of soft-second mortgages may be limited based upon budgeted spending authority, it was necessary to establish a waiting list for soft-second mortgages to ensure fair award of available funds. However, to date the authorized funds limit has not been reached and therefore the soft-second waiting list has not been established.

Also approved in 2010 was expansion of Homeownership Program eligibility and assistance to persons on the HACP waiting lists for Public Housing and the Housing Choice Voucher program. In 2014, HACP modified this provision to include as eligible for the Homeownership Program persons otherwise eligible for the public housing or Housing Choice Voucher Programs but who are not current participants or currently on an HACP waiting list.

HACP's objectives for this program are to maintain or increase the level of participation in homeownership program activities and the number of families achieving homeownership.

HACP experienced success with this program, with 11 families becoming homeowners in 2015. Approximately 61 families attended Homeownership programs, 38 of which completed the program, becoming prepared for future purchases. With a substantial population of potential home buyers HACP anticipates an increase in closings entering 2016.

#### 7. Modified Housing Choice Voucher Program policy on maximum percent of Adjusted Monthly Income permitted.

Originally approved in 2002, HACP's operation of the Housing Choice Voucher Program allows flexibility in the permitted rent burden for new tenancies, or affordability. Specifically, the limit of 40% of Adjusted Monthly Income allowed for the tenant portion of rent is used as a guideline, not a requirement. HACP continues to counsel families on the dangers of becoming overly rent burdened, however, a higher rent burden may be acceptable in some cases. This policy increases housing choice for participating families by giving them the option to take on additional rent burden for units in more costly neighborhoods. HACP's objective for this initiative is to increase housing choices for participating families. In 2015, more families took advantage of this option as there was a 39 percent increase in participation from 2014

#### 8. Modified Payment Standard Approval.

Originally approved in 2004, HACP is permitted to establish Exception Payment Standards up to 120% of Fair Market Rent (FMR) without prior HUD approval. HACP has utilized this authority to establish Area Exception Payment Standards and to allow Exception Payment Standard as a Reasonable Accommodation for a person with disabilities. Allowing the Authority to conduct its own analysis and establish Exception Payment Standards reduces administrative burdens on both the HACP and HUD (as no HUD approval is required) while expanding housing choices for participating families.

HACP does not currently have any Area Exception Payment Standards, but may do so in future years. HACP will continue to allow an Exception Payment Standard of up to 120% of FMR as a reasonable accommodation for persons with disabilities.

In 2013 HACP received approval of a modification to this activity allowing HACP to establish an Exception Payment Standard of up to 120% of FMR for new construction or rehabilitation that creates fully accessible units meeting the requirements of the Uniform Federal Accessibility Standard (UFAS) in order to promote and support the creation of additional accessible units available to low-income families.

HACP's objective for this initiative is to expand housing choices for eligible families.

In 2015, only a limited number of families took advantage of this initiative, but those disabled families that did so had more choices in their search for an affordable home including UFAS units in Addison Redevelopment Phase I. Also HACP has authorized project based vouchers to projects expected to be completed in 2016 for additional, new, accessible units.

#### 9. Use of Block Grant Funding Authority to support Development and Redevelopment Activities through the Step Up To Market Financing Program.

Originally approved in 2012, HACP is permitted the Use of Single Fund Flexibility to support development and redevelopment via the *Step Up To Market Financing Program*. HACP will expand its use of the Block grant authority authorized in the Moving To Work Agreement to leverage debt to fund public housing redevelopment and modernization in order to address additional distressed properties in HACP's housing stock. Specifically, HACP will identify properties for participation in the Step Up To Market Program and will utilize one or more strategies, subject to any required HUD approvals, as authorized under this initiative. Details are included in Section IV.

In 2013, HACP submitted a full development proposal to HUD for Phase I of the Addison Terrace redevelopment, as per standard protocols, utilizing several elements authorized by this initiative. Late in 2013 this was approved, utilizing several aspects of the Financing Program. Construction was completed on 118 new units in 2014 with an additional 50 units completed in early 2015. 40 additional units were constructed as part of Larimer Point a PBV mix finance development which reached full occupancy in 2015. Lastly, HACP began Phase I of the Larimer Redevelopment as part of a Choice Neighborhoods Implementation Grant for the Larimer/East Liberty which included elements of the *Step Up To Market Financing Program*.

#### **On-Hold Activities**

HACP activities that could be considered as 'on hold' are actually subsets of implemented activities. They are as follows:

1. Exception Payment Standard Areas. Originally approved in 2004 as part of a larger approval on Exception payment standards, HACP suspended its Exception Payment Standard Area in 2007 in order to reduce costs and streamline administration. Depending on future funding, and changes to the local market, HACP may develop new exception payment standard areas to increase housing choices for voucher families. HACP does not currently have a plan or timeline for re-implementation due to uncertainties in near and long-term future funding.

#### **Closed Out Activities**

Since entering the Moving To Work Program in 2000, HACP has also instituted a number of Moving To Work initiatives that in 2014 no longer require specific Moving To Work Authority. Some of those initiatives are:

1. Establishment of Site Based Waiting Lists.
2. Establishment of a variety of local waiting list preferences, including a working/elderly/disabled preference and a special working preference for scattered site units.
3. Modified Rent Reasonableness Process.

4. Transition to Site Based Management and Asset Management, including Site Based Budgeting and Accounting.

### **Other Activities**

Several activities that utilized Moving To Work Authority, but are not specified as specific initiatives waiving specific regulations, were previously included in the initiative section but no longer require that separate listing. They are as follows:

- Use of Block Grant Funding Authority to support Development and Redevelopment, Enhanced and Expanded Family Self-sufficiency and related programming, and the HACP MTW Homeownership Program.
  - Originally approved with the initial Moving To Work Program and expanded to include homeownership and resident service programs in subsequent years, HACP continues to use Moving To Work block grant funding to support its Moving To Work Initiatives. Additional information on the use of Single Fund block grant authority is included in other sections of this MTW Plan.
- Energy Performance Contracting
  - Under HACP's Moving To Work Agreement, HACP may enter into Energy Performance Contracts (EPC) without prior HUD approval. HACP will continue its current EPC, executed in 2008, to reduce costs and improve efficient use of federal funds.
  - HACP's current EPC included installation of water saving measures across the authority, installation of more energy efficient lighting throughout the authority, and installation of geo-thermal heating and cooling systems at select communities. It was completed in 2010, with final payments made in 2011. Monitoring and Verification work began in 2011, with the first full Monitoring and Verification report completed for the 2012 year.
- Establishment of a Local Asset Management Program.
  - In 2004, prior to HUD's adoption of a site based asset management approach to public housing operation and management, HACP embarked on a strategy to transition its centralized management to more decentralized site-based
  - Management capable of using an asset management approach. Specific elements of HACP's Local Asset Management Program were approved in 2010. HACP will continue to develop and refine its Local Asset Management Program to reduce costs and increase effectiveness.

### **Long Term Goals and Vision**

HACP's vision for its Moving To Work Program through 2018, and potentially beyond, builds upon the vision of HACP's 2001-2015 Moving To Work Plans. This vision is built around two major themes that together will achieve the three statutory objectives of the Moving To Work Demonstration Program.

*Theme one* is to reposition HACP's housing stock to compete in the local market, improve operational efficiencies, and expand housing choices for low-income families.

*Theme two* is to promote self-sufficiency and independent living through a variety of enhanced services and policy adjustments. These programs and policies are designed to provide incentives to work for adult, able bodied, non-elderly heads of households and family members, and to promote social and academic achievement for children and youth. In addition to increasing economic self-sufficiency among assisted families, these programs and policies are expected to result in increased revenue for the Housing Authority (increasing the cost effectiveness of federal expenditures) while increasing housing choices for families (with increased work and income they will have additional housing choices both within the HACP portfolio and in the larger housing market).

While the mechanisms to effectively measure all of these expected outcomes continue to be developed (especially those that are cumulative and long-term) shorter-term measures are in place for each specific MTW initiative. In reviewing this report, please note that HUD's Standard Metrics were not yet in place when the 2013 MTW Annual Plan was submitted and approved, and therefore not all Standard Metrics had specific 2013 benchmarks established or corresponding outcomes. See Section IV for more detailed information on the specific initiatives.

### Repositioning of HACP's Housing Stock

Since the initial HACP Moving To Work Annual Plan in 2001, a major component of HACP's Moving To Work strategy has been to reposition HACP's housing stock through a) preservation of successful developments and b) revitalization of distressed developments through strategic investments that re-link public housing properties to their surrounding neighborhoods and act as a driver of other public and private investments to revitalize entire neighborhoods.

Initiated prior to Moving To Work through three HOPE VI redevelopment projects and continued through the Moving To Work Program, HACP has achieved great success. Allequippa Terrace, Manchester Apartments, Bedford Additions and Garfield Heights are replaced by Oak Hill, multiple properties across Manchester virtually indistinguishable from their neighbors, the Bedford Hills apartments, and Garfield Commons, respectively. The new senior buildings Silver Lake, the Fairmont, the Commons at North Aiken and the Legacy are new positive anchors in their neighborhoods, replacing the distressed, and neighborhood distressing, East Hills, Garfield, Auburn Towers and Addison High Rises. Redevelopment of Addison Terrace Phase I is also complete.

A by-product of these redevelopment efforts, which feature reduced densities, mixed income, and modern conveniences, is a reduced number of traditional public housing units. This is not inappropriate in Pittsburgh, which has seen city population decline substantially over the last 40 years. More important is that this is balanced by the addition of new affordable units supported by tax credits, and new units rented at market rates. In Pittsburgh, many of the new market rate units are affordable to families of modest income. Section 8 Housing Choice vouchers also support low income families, provide them choices in the housing market, and support occupancy of units available in the private market. These combinations of approaches have enabled HACP to continue serving substantially the same number of families as would have been served absent the demonstration.

In 2015, as in prior years, and in light of continued erosion of funding available for affordable housing development and redevelopment, HACP engaged in extensive collaborative work with HUD and other partners to develop new mechanisms for financing redevelopment of distressed properties. The Step Up To Market Financing Program is designed to be a key component of HACP repositioning activities, and has been essential in the financing of the redevelopment of Addison Terrace, now underway.

HACP has also invested in its successful housing in recent years, including modernization activities at Northview Heights, Caliguri Plaza, Morse Gardens, Bedford, and many other improvements at various locations. Additional modernization work at many sites continues, with highlights noted in other sections of this report. HACP continues to create additional UFAS units each year and make improvements to the fully accessible units available at all of its properties. HACP also continues to benefit from an implemented Energy Performance Contract for improvements that include the installation of energy efficient and cost saving geothermal heating (and cooling) systems at several developments.

HACP is committed to continuing these preservation and revitalization efforts, to the greatest extent feasible with the funding available, throughout the Moving To Work demonstration.

The charts at the end of this section show projected sources of funds that can be used for capital projects, and projected uses of those funds over the next five years. All of these numbers reflect projected obligations (not expenditure) of funds, and are projections only and are subject to change based upon funding levels and opportunities, financial and real estate market conditions, new or changing regulations or requirements, and other unforeseen developments.

The highlights of this plan are as follows:

- Revitalize Addison Terrace. Addison Terrace is only two blocks from the key Centre Avenue corridor in the Hill district which includes the following new facilities: the Legacy Apartments, the Hill Public Library, and a branch of the YMCA. HACP worked closely with the larger Hill District Master Planning Process to plan redevelopment of the 1940's era Addison Terrace. Because of projected high costs for this redevelopment effort, including substantial infrastructure costs, and the scarcity of HOPE VI and other major grant programs, HACP worked with HUD and other partners to develop innovative financing strategies through Moving To Work to support this effort, resulting in the Step Up To Market Financing Program. Construction was completed on all Addison Phase I units in 2015, and development is fully occupied. Low-income housing tax credits were awarded in 2015 for Addison Phase II and III and construction of Phase II units are well underway.
- Plan for new development in the East End, including Hamilton-Larimer. In parts of the East Liberty neighborhood of Pittsburgh, a significant market and development rebound has occurred. In the adjoining Larimer neighborhood, a long term and ongoing grassroots community planning process led to the completion of the Larimer Vision Plan. The Vision Plan, which focuses on the Larimer Avenue corridor spanning parts of both East Liberty and Larimer, is the basis for a growing consensus around neighborhood revitalization strategies in these neighborhoods. Working with a variety of partners in Larimer and East Liberty, HACP continues pursuing new development opportunities in these neighborhoods, including

the Hamilton-Larimer and former Auburn Towers site on the border of East Liberty and Larimer. HACP continues to work closely with other City agencies and neighborhood organizations to identify the opportunities with the potential for the greatest impact, and has invested in the planning process resulting in the Larimer Vision To Action Plan, which aims to identify specific activities to implement the Larimer Vision Plan. The Vision To Action Plan is the basis for a Choice Neighborhoods Initiative Implementation grant that was awarded in June, 2014. The grant agreement between HUD, The City of Pittsburgh and HACP was signed in December of 2014 ushering in the next step in the development process. The plan includes redevelopment of the nearby East Liberty Gardens project based voucher property in the East Liberty portion of the Vision area in addition to redevelopment of Hamilton-Larimer and the former Auburn Towers site. Low Income Housing Tax Credits were secured for a first phase of construction on the former Auburn site and other adjacent parcels in February of 2014. HACP submitted a full development proposals for Larimer/East Liberty Phase I and construction begin in 2015.

- Build on investments in Northview Heights. After completing conversion of 63 units into 26 new UFAS units and 26 new non-UFAS units, and the ESCO funded geothermal heating and cooling system, HACP continues to build on these investments to solidify Northview Heights' rebound. In 2010 Force Account staff renovated an additional 30 units in the buildings that received UFAS units. In 2010 and 2011, work to replace the roofs on buildings that had not had roof replacements, and the siding on all of the family buildings, was completed. Continued investment in modernization of additional units, completing replacement of roofs, upgrading electrical systems and other improvements continued in 2012 and 2013. In 2015, additional site work on balcony structural restoration and maintenance was completed and concrete and roadway work is ongoing during the plan year. Also in 2015, HACP engaged a firm to begin Master Planning services for the development of the new Northview Midrise. It is worth noting that as a result of past and continued HACP activities at this site, demand for this property has increased and continues to maintain a sizable waitlist.
- Modernize other successful but aging properties. HACP recognizes that existing properties cannot be neglected. In addition to regular funding for safety and REAC items at all properties, HACP continues to pursue larger modernization efforts at other properties, including window replacement and façade/EFIS repairs at several senior/disabled high rises and continued investment in its successful scattered sites portfolio.
- Pursuit of Rental Assistance Demonstration Conversions. In order to secure the long-term viability of its existing housing stock, HACP continues to evaluate and pursue conversion of some public housing units to HUD contracts for multi-family housing rental assistance through the Rental Assistance Demonstration (RAD) Program. In 2013 HACP submitted RAD applications for the following properties, and received CHAP approval on March 31, 2015:
  - Glen Hazel and Glen Hazel High Rise
  - Murray Towers
  - Oak Hill
  - HACP is evaluating the prospect of future RAD applications

Below are two charts showing project funding obligations over the next ten years.

Not included in the charts are funding and financing strategies, including those that use MTW funding flexibility and support and leverage MTW funds to support redevelopment of these properties. As funding opportunities and financing mechanisms change, and creative approaches are devised, HACP will adapt and adopt the approaches that are most advantageous to the agency. These approaches include, but are not limited to, the following:

- Low Income Housing Tax Credits
- Federal, State and Local Housing Trust Funds dollars as available.
- Other Federal, State and Local funds such as CDBG, HOME, PA Department of Community and Economic Development Programs, and others as can be secured.
- HUD’s new and evolving financing and transformation initiatives, if authorized, or other similar approaches.
- Project basing up to 500 Housing Choice Vouchers.
- HACP’s Moving To Work Step Up To Market Financing Program.
- Any and all other opportunities and mechanism that are available or can be identified that will assist HACP in furthering its goals under MTW and under the Low Income Public Housing and Housing Choice Voucher programs.

Other sections of the Annual Report include specifics on the funding strategies utilized in specific development phases that closed in 2015, and future Plans and Reports will include additional details for future phases.

HOUSING AUTHORITY OF THE CITY OF PITTSBURGH  
2015 - 2024 CAPITAL BUDGET OBLIGATION SUMMARY

Revised  
As of 12/30/11

| SOURCES                             | PROJECTED SOURCES | 2014              | 2015              | 2016              | 2017              | 2018               | 5-Year SubTotals  | 2019              | 2020              | 2021              | 2022              | 2023              | 5-Year Subtotals   | 10-Year Totals |
|-------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|----------------|
|                                     | MTW Funding       | 14,394,353        | 10,000,000        | 7,000,000         | 7,000,000         | 7,000,000          | 7,000,000         | 45,394,353        | 7,000,000         | 7,000,000         | 7,000,000         | 7,000,000         | 7,000,000          | 35,000,000     |
| CFP Projected Future Funding        | 13,387,351        | 9,482,679         | 7,000,000         | 7,000,000         | 7,000,000         | 7,000,000          | 43,870,030        | 7,000,000         | 7,000,000         | 7,000,000         | 7,000,000         | 7,000,000         | 35,000,000         | 78,870,030     |
| RHF Projected Future Funding        | 5,006,459         | 3,804,703         | 5,685,089         | 4,843,363         | 4,337,687         | 23,677,301         | 2,520,655         | 2,520,655         | 2,520,655         | 671,742           | 572,220           | 8,005,927         | 32,483,228         |                |
| Choice Neighborhood Grant           | 0                 | 16,500,000        | 4,500,000         | 0                 | 0                 | 21,000,000         | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 21,000,000         |                |
| Cove Place - Conventional Mortgage  | 0                 | 0                 | 0                 | 0                 | 0                 | 0                  | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                  |                |
| MTW Reserves                        | 40,634,327        | 14,641,548        | 0                 | 0                 | 0                 | 55,275,875         | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 55,275,875         |                |
| <b>TOTALS ALL PROJECTED SOURCES</b> | <b>73,422,400</b> | <b>54,428,030</b> | <b>24,185,089</b> | <b>18,843,363</b> | <b>18,237,687</b> | <b>180,217,650</b> | <b>16,520,655</b> | <b>16,520,655</b> | <b>16,520,655</b> | <b>14,671,742</b> | <b>14,672,220</b> | <b>78,805,027</b> | <b>268,023,486</b> |                |

| USES   | PROPOSED USES     | 2014              | 2015              | 2016              | 2017              | 2018               | 5-Year SubTotals  | 2019              | 2020              | 2021              | 2022              | 2023              | 5-Year Subtotals   | 10-Year Totals |
|--|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|----------------|
|  | HACP-WIDE         | Administrative    | 1,453,591         | 1,648,268         | 1,900,000         | 1,900,000          | 1,500,000         | 8,401,859         | 1,500,000         | 1,500,000         | 1,500,000         | 1,500,000         | 1,900,000          | 7,900,000      |
| Security                                       |                   | 4,000,000         | 4,000,000         | 3,800,000         | 3,800,000         | 3,800,000          | 19,400,000        | 3,800,000         | 3,800,000         | 3,800,000         | 3,800,000         | 3,800,000         | 19,000,000         | 38,400,000     |
| 504/UFAS misc                                  |                   | 100,000           | 150,000           | 100,000           | 100,000           | 0                  | 450,000           | 0                 | 0                 | 0                 | 0                 | 0                 | 0                  | 450,000        |
| Equipment (Range/Refrig, Vehicles, Other Misc) |                   | 0                 | 0                 | 0                 | 0                 | 530,000            | 530,000           | 300,000           | 300,000           | 309,000           | 318,270           | 327,818           | 1,555,088          | 2,085,088      |
| LBP Abatement - Other Misc Hazmat              |                   | 100,000           | 300,000           | 100,000           | 100,000           | 100,000            | 700,000           | 100,000           | 100,000           | 100,000           | 100,000           | 100,000           | 500,000            | 1,200,000      |
| Concrete                                       |                   | 100,000           | 0                 | 100,000           | 100,000           | 100,000            | 400,000           | 100,000           | 100,000           | 100,000           | 100,000           | 100,000           | 500,000            | 900,000        |
| Green Physical Needs                           |                   | 0                 | 300,000           | 0                 | 0                 | 0                  | 300,000           | 0                 | 0                 | 0                 | 0                 | 0                 | 0                  | 300,000        |
| Demolition                                     |                   | 100,000           | 100,000           | 100,000           | 100,000           | 0                  | 400,000           | 0                 | 0                 | 0                 | 0                 | 0                 | 0                  | 400,000        |
| A/E Technical Services                         |                   | 800,000           | 700,000           | 400,000           | 400,000           | 200,000            | 2,500,000         | 0                 | 0                 | 0                 | 0                 | 0                 | 0                  | 2,500,000      |
| Resident Services                              |                   | 1,809,162         | 1,859,162         | 1,800,000         | 1,800,000         | 1,800,000          | 9,068,324         | 1,800,000         | 1,800,000         | 1,800,000         | 1,800,000         | 1,800,000         | 9,000,000          | 18,068,324     |
| Contingencies                                  |                   | 950,000           | 800,000           | 950,000           | 950,000           | 950,000            | 4,600,000         | 600,000           | 600,000           | 600,000           | 600,000           | 600,000           | 3,000,000          | 7,600,000      |
| <b>SUBTOTAL HACP-WIDE USES</b>                 | <b>9,412,753</b>  | <b>9,857,430</b>  | <b>9,250,000</b>  | <b>9,250,000</b>  | <b>8,980,000</b>  | <b>46,750,183</b>  | <b>8,200,000</b>  | <b>8,200,000</b>  | <b>8,209,000</b>  | <b>8,218,270</b>  | <b>8,627,818</b>  | <b>41,455,088</b> | <b>88,205,271</b>  |                |
| <b>SUBTOTAL DEVELOPMENT</b>                    | <b>54,638,237</b> | <b>32,380,784</b> | <b>6,350,000</b>  | <b>15,550,000</b> | <b>14,550,000</b> | <b>123,469,021</b> | <b>550,000</b>    | <b>550,000</b>    | <b>550,000</b>    | <b>550,000</b>    | <b>550,000</b>    | <b>2,750,000</b>  | <b>126,219,021</b> |                |
| <b>SUBTOTAL MODERNIZATION</b>                  | <b>9,371,500</b>  | <b>14,847,042</b> | <b>3,949,278</b>  | <b>4,993,278</b>  | <b>2,833,278</b>  | <b>35,994,376</b>  | <b>2,683,278</b>  | <b>5,683,278</b>  | <b>2,983,278</b>  | <b>2,883,278</b>  | <b>4,553,276</b>  | <b>18,786,388</b> | <b>54,780,784</b>  |                |
| <b>TOTALS ALL PROPOSED USES</b>                | <b>73,422,490</b> | <b>57,085,256</b> | <b>19,549,278</b> | <b>29,793,278</b> | <b>26,363,278</b> | <b>206,213,580</b> | <b>11,433,278</b> | <b>14,433,278</b> | <b>11,742,278</b> | <b>11,651,548</b> | <b>13,731,094</b> | <b>62,991,476</b> | <b>269,205,056</b> |                |

**HOUSING AUTHORITY OF THE CITY OF PITTSBURGH  
2015 - 2024 DEVELOPMENT AND MODERNIZATION SUMMARY**

| DEVELOPMENT | Proposed Development                         | 2014              | 2015              | 2016             | 2017              | 2018              | 5-Year Subtotals        | 2019             | 2020             | 2021             | 2022             | 2023             | 5-Year Subtotals        | 10-Year Totals        | Comments  |
|-------------|--|-------------------|-------------------|------------------|-------------------|-------------------|-------------------------|------------------|------------------|------------------|------------------|------------------|-------------------------|-----------------------|---|
|             |  | <b>Addison</b>    | 43,038,237        | 2,800,000        | 0                 | 0                 | 0                       | 45,838,237       | 0                | 0                | 0                | 0                | 0                       | 0                     | 45,838,237  |
|             | <b>Hamilton-Larimer</b>                      | 0                 | 26,580,784        | 4,500,000        | 15,000,000        | 0                 | 46,080,784              | 0                | 0                | 0                | 0                | 0                | 0                       | 46,080,784            | Budget Revisions from HACP Reserves See HACP Board Resolution #12 of 2015 & #25 of 2015. Financial commitment from 2014 to 2018 for Larimer East Liberty development with 734 units including CHSG funding. |
|             | <b>Scattered Sites</b>                       | 1,100,000         | 2,000,000         | 1,850,000        | 550,000           | 550,000           | 6,050,000               | 550,000          | 550,000          | 550,000          | 550,000          | 550,000          | 2,750,000               | 8,800,000             | Financing for scattered sites units throughout the City of Pittsburgh through acquisition/rehab/turnkey development including relative housing.   |
|             | <b>Arlington</b>                             | 0                 | 0                 | 0                | 0                 | 0                 | 0                       | 0                | 0                | 0                | 0                | 0                | 0                       | 0                     | Financing may occur under the next 10-year plan.  |
|             | <b>HACP/ARMDC Office</b>                     | 0                 | 0                 | 0                | 0                 | 0                 | 0                       | 0                | 0                | 0                | 0                | 0                | 0                       | 0                     | HACP may need a new office in 5 years depending on 200 floor co-ownership decision.   |
|             | <b>Allegheny Dwellings</b>                   | 10,500,000        | 0                 | 0                | 0                 | 0                 | 10,500,000              | 0                | 0                | 0                | 0                | 0                | 0                       | 10,500,000            | In 2014, HACP committed \$10.5 million for Allegheny Dwellings Redevelopment Phase I consisting of 85 units.  |
|             | <b>Homewood North</b>                        | 0                 | 0                 | 0                | 0                 | 0                 | 0                       | 0                | 0                | 0                | 0                | 0                | 0                       | 0                     | The property will be substantially rehabilitated, not retrofitted.  |
|             | <b>Northview</b>                             | 0                 | 1,000,000         | 0                | 0                 | 14,000,000        | 15,000,000              | 0                | 0                | 0                | 0                | 0                | 0                       | 15,000,000            | HACPC will develop a mid-rise senior project to replace the current high rise and the project is in last position.  |
|             | <b>Cove Place</b>                            | 0                 | 0                 | 0                | 0                 | 0                 | 0                       | 0                | 0                | 0                | 0                | 0                | 0                       | 0                     |   |
|             | <b>SUBTOTAL DEVELOPMENT</b>                  | <b>54,638,237</b> | <b>32,380,784</b> | <b>6,350,000</b> | <b>15,550,000</b> | <b>14,550,000</b> | <b>123,469,021</b>      | <b>550,000</b>   | <b>550,000</b>   | <b>550,000</b>   | <b>550,000</b>   | <b>550,000</b>   | <b>2,750,000</b>        | <b>126,219,021</b>    |   |
|             | <b>Proposed Modernization</b>                | <b>2014</b>       | <b>2015</b>       | <b>2016</b>      | <b>2017</b>       | <b>2018</b>       | <b>5-Year Subtotals</b> | <b>2019</b>      | <b>2020</b>      | <b>2021</b>      | <b>2022</b>      | <b>2023</b>      | <b>5-Year Subtotals</b> | <b>10-Year Totals</b> | <b>Comments</b>   |
|             | 901 Addison - Bentley Dr.                    | 300,000           | 0                 | 0                | 0                 | 0                 | 300,000                 | 0                | 0                | 0                | 0                | 0                | 0                       | 300,000               | Safety REAC upkeep until demolition of Bentley Drive units.   |
|             | 902 Bedford Dwellings                        | 500,000           | 1,800,000         | 0                | 100,000           | 0                 | 2,400,000               | 100,000          | 0                | 0                | 100,000          | 0                | 200,000                 | 2,600,000             | Budget Revision from HACP Reserves See HACP Board Resolution #17 of 2015. Maintenance of systems, rehab, REAC & Safety items.   |
|             | 915 PA Bidwell                               | 50,000            | 50,000            | 300,000          | 50,000            | 50,000            | 500,000                 | 50,000           | 50,000           | 1,000,000        | 0                | 0                | 1,100,000               | 1,600,000             | Interim REAC and Safety Repairs and rehab work in 2021.   |
|             | 917 Pressley                                 | 50,000            | 836,000           | 50,000           | 50,000            | 50,000            | 836,000                 | 50,000           | 0                | 0                | 0                | 0                | 50,000                  | 886,000               | Replace fire alarms, Interim REAC and Safety Repairs.   |
|             | 905 Allegheny Dwellings                      | 600,000           | 517,172           | 100,000          | 50,000            | 0                 | 1,267,172               | 0                | 0                | 0                | 0                | 0                | 0                       | 1,267,172             | See HACP Budget Revision #4. Entrance doors/transoms/canopies and windows replacement, REAC/Safety items.   |
|             | 909 Northview Heights                        | 2,200,000         | 4,019,042         | 2,383,278        | 1,483,278         | 1,483,278         | 11,566,876              | 1,683,278        | 1,383,278        | 1,383,278        | 1,383,278        | 1,383,278        | 7,216,388               | 18,785,264            | Budget Revision from HACP Reserves See HACP Board Resolution #18 of 2015. Concrete work in courtyards, Bathrooms/Kitchens/doors windows rehab and painting in 400 units, REAC & safety items.               |
|             | 920 Homewood North                           | 50,000            | 1,034,828         | 50,000           | 50,000            | 50,000            | 1,234,828               | 0                | 3,500,000        | 0                | 0                | 0                | 3,500,000               | 4,734,828             | See HACP Budget Revision #4. Windows replacement and interior rehab in 2020 plus REAC & Safety items.   |
|             | 904 Arlington Heights                        | 50,000            | 350,000           | 50,000           | 500,000           | 500,000           | 1,450,000               | 0                | 0                | 0                | 0                | 0                | 0                       | 1,450,000             | Partial Mod work, REAC and safety items.  |
|             | 921 Murray Towers                            | 0                 | 3,500,000         | 0                | 0                 | 0                 | 3,500,000               | 0                | 0                | 0                | 0                | 0                | 0                       | 3,500,000             | Comp. Modernization in 2015.  |
|             | 922 Glen Hazel Family (Incl. Renova)         | 2,500,000         | 553,000           | 50,000           | 100,000           | 100,000           | 3,303,000               | 0                | 200,000          | 200,000          | 1,000,000        | 0                | 1,400,000               | 4,703,000             | Safety Doors, Fire Control Panels & Misc. safety items & Partial Comp. Mod in 2022.   |
|             | 923 Glen Hazel Highrise                      | 300,000           | 0                 | 0                | 100,000           | 0                 | 400,000                 | 100,000          | 0                | 0                | 0                | 0                | 100,000                 | 500,000               | Turnover rehabilitation & Safety Repairs.   |
|             | 940 Mazza Pavilion                           | 0                 | 0                 | 0                | 0                 | 0                 | 0                       | 0                | 0                | 0                | 0                | 50,000           | 50,000                  | 50,000                | REAC & Safety Repairs.  |
|             | 941 Calligini Plaza                          | 2,121,500         | 1,500,000         | 416,000          | 50,000            | 100,000           | 4,187,500               | 100,000          | 100,000          | 0                | 0                | 0                | 200,000                 | 4,387,500             | Windows/EP's Replacement, Partial Comp Mod & Safety Repairs.  |
|             | 944 Finello Pavilion                         | 50,000            | 100,000           | 0                | 100,000           | 0                 | 250,000                 | 100,000          | 0                | 0                | 0                | 0                | 100,000                 | 350,000               | REAC and Safety Repairs.  |
|             | 945 Morse Gardens                            | 50,000            | 0                 | 50,000           | 100,000           | 0                 | 200,000                 | 100,000          | 0                | 0                | 0                | 1,400,000        | 1,500,000               | 1,700,000             | Partial Comp. Mod in 2023 & REAC/Safety items.  |
|             | 946 Carrick Regency                          | 50,000            | 262,000           | 100,000          | 0                 | 100,000           | 512,000                 | 0                | 0                | 0                | 0                | 1,320,000        | 1,320,000               | 1,832,000             | Partial Comp. Mod in 2023 & REAC/Safety items.  |
|             | 947 Guahieri Manor                           | 50,000            | 75,000            | 0                | 1,860,000         | 0                 | 1,985,000               | 0                | 50,000           | 0                | 0                | 0                | 50,000                  | 2,035,000             | Partial Comp. Mod in 2017 & REAC/Safety items.  |
|             | 922 & 929 Scattered Sites / Hamilton Larimer | 450,000           | 450,000           | 400,000          | 400,000           | 400,000           | 2,100,000               | 400,000          | 400,000          | 400,000          | 400,000          | 400,000          | 2,000,000               | 4,100,000             | Partial Comp Mod of 10 units per year over 10 years.  |
|             | 999 Other Amps                               | 0                 | 0                 | 0                | 0                 | 0                 | 0                       | 0                | 0                | 0                | 0                | 0                | 0                       | 0                     |   |
|             | <b>SUBTOTAL MODERNIZATION</b>                | <b>9,371,500</b>  | <b>14,847,042</b> | <b>3,949,278</b> | <b>4,993,278</b>  | <b>2,833,278</b>  | <b>35,994,376</b>       | <b>2,683,278</b> | <b>5,683,278</b> | <b>2,983,278</b> | <b>2,883,278</b> | <b>4,553,276</b> | <b>18,786,388</b>       | <b>54,780,764</b>     |   |

Promoting Self-Sufficiency And Independent Living Through A Variety Of Enhanced Services And Policy Adjustments.

HACP is committed to continuing pursuit of programs and policies that promote self-sufficiency and independent living. This is pursued through programs and policy modifications.

HACP's Family Self-Sufficiency (FSS) Program, called Realizing Economic Attainment For Life or REAL, includes the Resident Employment Program (REP). REAL and REP provide a variety of supports, programs, and referrals to residents to assist them in preparing for, seeking, finding, and retaining employment. The program and the Authority also work constantly to link with other programs, leverage additional services, and create positive environments for families, adults, seniors, and children. REAL and REP are complemented by the programs provided by HACP and its partners that focus on youth of various ages, including the BJWL after school and summer programs, Youthplaces, the Clean Slate Drug Free Lifestyles and Youth Leadership Development Program, and the Creative Arts Corner state of the art audio/video studios at Northview Heights and the Bedford Hope Center. HACP's investments in resident services have leveraged over \$4,000,000 per year in additional programs and services in recent years.

HACP policy modifications are also designed to promote self-sufficiency, and the modified rent policy, as described in Sections II and IV, is designed to encourage families to participate in the FSS program.

The goal of these initiatives is to create an environment where work is the norm and personal responsibility is expected. Gradually, HACP is seeing positive results of this effort.

*It is HACP's vision to create vibrant, sustainable communities where family members of all ages can thrive and where life choices and opportunities are not limited. HACP will pursue this goal through the interconnected strategies of re-positioning the housing stock through preservation and revitalization, and promoting self-sufficiency through support programs and policy modifications.*

**Annual MTW Report**

**II.4.Report.HousingStock**

**A. MTW Report: Housing Stock Information**

**New Housing Choice Vouchers that were Project-Based During the Fiscal Year**

| Property Name                 | Anticipated Number of New Vouchers to be Project-Based * | Actual Number of New Vouchers that were Project-Based | Description of Project   |
|-------------------------------|--|---|--|
| East Liberty Place II         | 6  | 6   | AHAP executed on 6/11/2013 construction completed in 2015 and lease up occurred in 2015  |
| Larimer PBV Phase I           | 40   | 40  | AHAP on this tax credit award project executed in 2014. Construction and lease up completed in 2015  |
| Larimer Mixed Finance Phase I | 28   | 28  | AHAP on this tax credit awarded mixed fiance project with 85 total units executed in 2014, with construction completion and lease up expected in 2016. |
| Addison Phase II              | 64   | 25  | AHAP executed on DATE. Construction completion and lease up expected for 2016.   |

| Anticipated Total Number of New Vouchers to be Project-Based * | Actual Total Number of New Vouchers that were Project-Based | Anticipated Total Number of Project-Based Vouchers Committed at the End of the Fiscal Year * | Anticipated Total Number of Project-Based Vouchers Leased Up or Issued to a Potential Tenant at the End of the Fiscal Year * |
|--|---|--|--|
| 138  | 99  | 446  | 383  |
|  |   | Actual Total Number of Project-Based Vouchers Committed at the End of the Fiscal Year        | Actual Total Number of Project-Based Vouchers Leased Up or Issued to a Potential Tenant at the End of the Fiscal Year        |
|  |   | 338  | 338  |

\* From the Plan

**Other Changes to the Housing Stock that Occurred During the Fiscal Year**

|  |
|--|
| Planned changes to PA Scattered Sites North Hamilton-Larimer (formerly PA-11) were delayed as plans for redevelopment via Choice Neighborhood Progressed. Submission of demolition application will occur in 2016. |
|  |
|  |

Examples of the types of other changes can include but are not limited to units that are held off-line due to the relocation of residents, units that are off-line due to substantial rehabilitation and potential plans for acquiring units.

General Description of Actual Capital Fund Expenditures During the Plan Year

Completed: Glen Hazel High Rise community room upgrades and terrace improvements, Bedford Dwellings windows replacement, and Addison Phase I vertical construction. Substantially Complete: Glen Hazel siding replacement and door painting, Homewood North structural repairs of eroded hillside slope and Morse Gardens various improvements and historic window replacement. Ongoing: Scattered Sites North and South renovations and improvements, Northview Heights High Rise balcony structural restoration and maintenance, Larimer/East Liberty Phase I vertical construction, and as needed hazardous materials work. Authority wide as needed site improvements are ongoing and include the completion of Glen Hazel concrete/drainage work, Northview Heights maintenance storage, Bedford Dwellings water line/road repair, Homewood North ground water seepage remediation. Northview Heights concrete and roadway work is ongoing during the plan year.

Overview of Other Housing Owned and/or Managed by the PHA at Fiscal Year End

| Housing Program *                               | Total Units | Overview of the Program |
|---|-------------|-------------------------|
| Housing Program 1 *                             | X           | Overview of the program |
| Housing Program 2 *                             | X           | Overview of the program |
| Housing Program 3 *                             | X           | Overview of the program |
| <b>Total Other Housing Owned and/or Managed</b> | <b>0</b>    |                         |

\* Select Housing Program from: Tax-Credit, State Funded, Locally Funded, Market-Rate, Non-MTW HUD Funded, Managing Developments for other non-MTW Public Housing Authorities, or Other.

If Other, please describe:

Description of "other" Housing Program

II.5.Report.Leasing

B. MTW Report: Leasing Information

Actual Number of Households Served at the End of the Fiscal Year

| Housing Program:   | Number of Households Served* |            |
|--|------------------------------|------------|
|  | Planned                      | Actual     |
| Number of Units that were Occupied/Leased through Local Non-Traditional MTW Funded Property-Based Assistance Programs ** | 635                          | 635        |
| Number of Units that were Occupied/Leased through Local Non-Traditional MTW Funded Tenant-Based Assistance Programs **   | 135                          | 136        |
| Port-In Vouchers (not absorbed)  | N/A                          | X          |
| <b>Total Projected and Actual Households Served</b>  | <b>770</b>                   | <b>771</b> |

\* Calculated by dividing the planned/actual number of unit months occupied/leased by 12.

\*\* In instances when a Local, Non-Traditional program provides a certain subsidy level but does not specify a number of units/Households Served, the PHA should estimate the number of Households served.

| Housing Program:  | Unit Months Occupied/Leased**** |             |
|---|---------------------------------|-------------|
|   | Planned                         | Actual      |
| Number of Units that were Occupied/Leased through Local Non-Traditional MTW Funded Property-Based Assistance Programs *** | 7620                            | 7620        |
| Number of Units that were Occupied/Leased through Local Non-Traditional MTW Funded Tenant-Based Assistance Programs ***   | 1620                            | 1632        |
| Port-In Vouchers (not absorbed)   | N/A                             | X           |
| <b>Total Projected and Annual Unit Months Occupied/Leased</b>   | <b>9240</b>                     | <b>9252</b> |

HACP exceeded its goal of 10 households entering homeownership by 10 percent.

\*\*\* In instances when a local, non-traditional program provides a certain subsidy level but does not specify a number of units/Households Served, the PHA should estimate the number of households served.

\*\*\*\* Unit Months Occupied/Leased is the total number of months the housing PHA has occupied/leased units, according to unit category during the year.

|   | Average Number of Households Served Per Month | Total Number of Households Served During the Year |
|---|---|---|
| Households Served through Local Non-Traditional Services Only | 0   | 0   |

Reporting Compliance with Statutory MTW Requirements: 75% of Families Assisted are Very Low-Income

HUD will verify compliance with the statutory objective of “assuring that at least 75 percent of the families assisted by the Agency are very low-income families” is being achieved by examining public housing and Housing Choice Voucher family characteristics as submitted into the PIC or its successor system utilizing current resident data at the end of the agency's fiscal year. The PHA will provide information on local, non traditional families provided with housing assistance at the end of the PHA fiscal year, not reported in PIC or its successor system, in the following format:

| Fiscal Year:   | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 |
|--|------|------|------|------|------|------|------|------|
| Total Number of Local, Non-Traditional MTW Households Assisted                                   | 644  | 720  | 746  | 750  | 761  | X    | X    | X    |
| Number of Local, Non-Traditional MTW Households with Incomes Below 50% of Area Median Income     | n/a  | n/a  | 737  | 747  | 753  | X    | X    | X    |
| Percentage of Local, Non-Traditional MTW Households with Incomes Below 50% of Area Median Income | n/a  | n/a  | 99%  | 99%  | 99%  | X    | X    | X    |

**Reporting Compliance with Statutory MTW Requirements: Maintain Comparable Mix**

In order to demonstrate that the statutory objective of “maintaining a comparable mix of families (by family size) are served, as would have been provided had the amounts not been used under the demonstration” is being achieved, the PHA will provide information in the following formats:

**Baseline for the Mix of Family Sizes Served**

| Family Size:  | Occupied Number of Public Housing units by Household Size when PHA Entered MTW | Utilized Number of Section 8 Vouchers by Household Size when PHA Entered MTW | Non-MTW Adjustments to the Distribution of Household Sizes * | Baseline Number of Household Sizes to be Maintained | Baseline Percentages of Family Sizes to be Maintained |
|---------------|--|--|--|---|---|
| 1 Person      | 1714   | 994  | 0  | 2708  | 29.61%  |
| 2 Person      | 1721   | 1536   | 0  | 3257  | 35.62%  |
| 3 Person      | 1427   | 1134   | 0  | 2561  | 28.00%  |
| 4 Person      | 300  | 208  | 0  | 508   | 5.55%   |
| 5 Person      | 84   | 27   | 0  | 111   | 1.21%   |
| 6+ Person     |  |  | 0  | 0   | 0.00%   |
| <b>Totals</b> | <b>5246</b>  | <b>3899</b>  | <b>0</b>   | <b>9145</b>   | <b>1</b>  |

Explanation for Baseline Adjustments to the Distribution of Household Sizes Utilized

At this time, HACP has not requested any adjustments to the baseline for the mix of families served. It should be noted that HACP's total baseline of families to be served has increased to a total of 9563, but these additional authorized units do not have a family size and therefore are not reflected in these charts. Also, HACP has collected data only to 5+, and thus does not have a separate entry for 6+.

| Mix of Family Sizes Served  |   |          |          |          |          |           |        |
|---|---|----------|----------|----------|----------|-----------|--------|
|   | 1 Person  | 2 Person | 3 Person | 4 Person | 5 Person | 6+ Person | Totals |
| Baseline Percentages of Household Sizes to be Maintained **   | 29.61%  | 35.62%   | 28.00%   | 5.55%    | 1.21%    | 0.00%     | 100%   |
| Number of Households Served by Family Size this Fiscal Year ***   | 3252  | 2795     | 2220     | 450      | 82       | 0         | 8799   |
| Percentages of Households Served by Household Size this Fiscal Year ****  | 37.00%  | 31.80%   | 25.20%   | 5.10%    | 0.9      | 0         | 1.891  |
| Percentage Change   | 25%   | -11%     | -10%     | -0.949   | -0.1     | 0         | 0.891  |
| Justification and Explanation for Family Size Variations of Over 5% from the Baseline Percentages   | <p>The formulas included are not appropriate for this measure, and result in exaggerated percentages that are not appropriate for evaluation of this requirement. For example on entering MTW, 5.55% of the families served by HACP were 4 person families. In 2015, that percentage has declined to 5.1%. HACP believes this is a change of -.45 percent. By this measure, the only increase greater than 5% is in single person households, which HACP attributes to aging in place of families and increased number of single, elderly households, not to any decisions made by the HACP, and not to any impacts of its MTW initiatives.</p> <p>--</p> |          |          |          |          |           |        |
| <p>* "Non-MTW adjustments to the distribution of family sizes" are defined as factors that are outside the control of the PHA. Acceptable "non-MTW adjustments" include, but are not limited to, demographic changes in the community's population. If the PHA includes non-MTW adjustments, HUD expects the explanations of the factors to be thorough and to include information substantiating the numbers used.</p> |   |          |          |          |          |           |        |
| <p>** The numbers in this row will be the same numbers in the chart above listed under the column "Baseline percentages of family sizes to be maintained."</p>  |   |          |          |          |          |           |        |
| <p>*** The methodology used to obtain these figures will be the same methodology used to determine the "Occupied number of Public Housing units by family size when PHA entered MTW" and "Utilized number of Section 8 Vouchers by family size when PHA entered MTW" in the table immediately above.</p>  |   |          |          |          |          |           |        |
| <p>**** The "Percentages of families served by family size this fiscal year" will reflect adjustments to the mix of families served that are directly due to decisions the PHA has made. HUD expects that in the course of the demonstration, PHAs will make decisions that may alter the number of families served.</p>  |   |          |          |          |          |           |        |

**Description of any Issues Related to Leasing of Public Housing, Housing Choice Vouchers or Local, Non-Traditional Units and Solutions at Fiscal Year End**

| Housing Program                | Description of Leasing Issues and Solutions   |
|--------------------------------|---|
| Low Income Public Housing      | No issues were experienced in leasing public housing units  |
| Housing Choice Voucher Program | Challenges related to leasing Housing Choice Vouchers include ageing housing stock leading to high rate of initial failed inspections; a tightening housing market created more completion of available units with non voucher households and continued reluctance of many landlords to accept families utilizing voucher assistance. HACP identified additional units and landlords through the preferred owners program and though continued outreach to landlords in 2015. |
| Non-Traditional Programs       | No issues were experienced in leasing non-traditional housing units   |

**Number of Households Transitioned To Self-Sufficiency by Fiscal Year End**

| Activity Name/#   | Number of Households Transitioned * | Agency Definition of Self Sufficiency  |
|---|-------------------------------------|--|
| # 1 Modified Rent Policy HCV  | 41                                  | Free of Cash Assistance  |
| # 2 Modified Rent Policy LIPH   | 27                                  | Free of Cash Assistance  |
| # 5 Homeownership   | 11                                  | Completed Home Purchase  |
| Households Duplicated Across Activities/Definitions                       | 0                                   | * The number provided here should match the outcome reported where metric SS #8 is used. |
| <b>ANNUAL TOTAL NUMBER OF HOUSEHOLDS TRANSITIONED TO SELF SUFFICIENCY</b> | <b>79</b>                           |  |

C. MTW Report: Wait List Information

Wait List Information at Fiscal Year End

| Housing Program(s) *  | Wait List Type ** | Number of Households on Wait List | Wait List Open, Partially Open or Closed *** | Was the Wait List Opened During the Fiscal Year |
|---|-------------------|-----------------------------------|--|---|
| Low Income Public Housing   | Site-Based        | 2,109                             | Partially Open                               | Yes   |
| Housing Choice Voucher Program  | Community Wide    | 6,657                             | Closed                                       | Yes   |
| Combined Local Non-Traditional Programs -no wait list for Homeownership ; combined wait list at mixed finance, mixed income sites | Site-Based        | n/a                               | Open   | Yes   |

More can be added if needed.

\* *Select Housing Program* : Federal MTW Public Housing Units; Federal MTW Housing Choice Voucher Program; Federal non-MTW Housing Choice Voucher Units; Tenant-Based Local, Non-Traditional MTW Housing Assistance Program; Project-Based Local, Non-Traditional MTW Housing Assistance Program; and Combined Tenant-Based and Project-Based Local, Non-Traditional MTW Housing Assistance Program.

\*\* *Select Wait List Types*: Community-Wide, Site-Based, Merged (Combined Public Housing or Voucher Wait List), Program Specific (Limited by HUD or Local PHA Rules to Certain Categories of Households which are Described in the Rules for Program Participation), None (If the Program is a New Wait List, Not an Existing Wait List), or Other (Please Provide a Brief Description of this Wait List Type).

\*\*\* For Partially Open Wait Lists, provide a description of the populations for which the waiting list is open.

MTW Public Housing: Wait lists are open in all communities for all bedroom sizes except 1 bedroom units in family communities.

MTW Housing Choice Voucher Program: Wait list reopened in 2015 to all populations for a limited time, with position assigned by lottery to over 7,000 applicants

Non-Traditional Programs- tax credit units in mixed finance, mixed income developments have wait lists operated by private management.

If Local, Non-Traditional Program, please describe:

Homeownership: Currently no wait list, program participation is open otherwise eligible families. If demand for soft second mortgage approaches annual budget authority a wait list for participants with mortgage pre approval letters will be established.

Non-Traditional Program-Tax credit units in mixed finance, mixed income developments have wait lists operated by private management.

If Other Wait List Type, please describe:

HACP LIPH Site Based Waiting List- HACP's Site Based Site Preference System allows applicants to choose up to three communities of preference, or the first available from all properties. The number listed above is of unduplicated applicants on the waiting list, although each applicant may be on more than one individual site list. Public housing units in mixed finance/mixed income privately managed properties are not included, as each location operates a separate waiting list.

PBV wait lists operated by HACP open and close based on demand.

If there are any changes to the organizational structure of the wait list or policy changes regarding the wait list, provide a narrative detailing these changes.

HACP maintains a centralized application process however pre-applications can be submitted on site. Also in 2015 HACP utilized an online application and lottery process for the reopening of the HCV wait list.

### Section III. Proposed Moving To Work Activities: HUD Approval Requested

All proposed activities that have been approved by HUD are reported on in Section IV as “Approved Activities.”

### Section IV. Approved MTW Activities: HUD approval previously granted.

#### APPROVED MTW ACTIVITIES – HUD APPROVAL PREVIOUSLY GRANTED

| Activity   | Plan Year Approved   | Plan Year Implemented | Current Status |
|--|--|-----------------------|----------------|
| 1. Pre-Approval Inspection Certification for Multi-Unit Housing  | 2015 Annual Plan   | 2015                  | Implemented    |
| 2. Preferred Owners Program  | 2015 Annual Plan   | 2015                  | Implemented    |
| 3. Modified Rent Policy - Work or FSS Requirement or increased minimum tenant payment for non-exempt HCV households  | 2011 Annual Plan   | 2011                  | Implemented    |
| 4. Modified Rent Policy - Work or FSS Requirement or increased minimum rent for non-exempt LIPH households   | 2008 Annual Plan   | 2008-2009             | Implemented    |
| 5. Revised Recertification Policy – at least once every other year – for Section 8/HCV   | 2008 Annual Plan   | 2008                  | Implemented    |
| 6. Revised Recertification Policy – at least once every other year – LIPH  | 2009 Annual Plan   | 2009                  | Implemented    |
| 7. Homeownership Program: Operation of Combined LIPH and Section 8/HCV Homeownership Program; Program assistance to include soft-second mortgage assistance coupled with closing cost assistance, homeownership and credit counseling, and foreclosure prevention only; establish a soft-second mortgage waiting list; expand eligibility to persons on the LIPH and HCV program waiting lists; expand eligibility to persons eligible for LIPH or HCV | Combined Program approved in 2007; other elements approved in 2010; expansion of eligibility to person eligible for LIPH or HCV in 2014. | 2007; 2010; 2014.     | Implemented    |
| 8. Modified Housing Choice   | 2001 Annual  | 2001                  | Implemented    |

|   |  |             |  |
|---|--|-------------|--|
| Voucher Program policy on maximum percent of Adjusted Monthly Income permitted.   | Plan   |             |  |
| 8. Modified Payment Standard Approval - establish Exception Payment Standards up to 120% of FMR without prior HUD approval. | 2004 Annual Plan; additional features in 2013. | 2004; 2013. | Implemented. Ongoing for persons with disabilities; On Hold for exception areas. |
| 9. Step Up To Market Financing Program  | 2012 Annual Plan                               | 2013        | Implemented  |

**A. IMPLEMENTED ACTIVITIES - ONGOING**

**1. Pre-Approval Inspection Certification for Multi-Unit Housing**

To encourage owners and managers of multi-unit housing properties to lease more units to HCV participants, HACP is streamlining the inspection process for these types of properties. In 2015, The HCV program implemented Pre-Approval Inspection Certifications in multi-unit housing if those units are leased to a HCV program participant within 60 days of the pre-tenancy HQS inspection certification.

The Pre-Approval Inspection Certification process applies to buildings with 4 or more units located within a single structure; the Pre-Approval process cannot be applied to scattered site housing. All units seeking Pre-Approval Inspection Certification must be vacant at the time the HQS inspection occurs and must remain vacant until a Request for Tenancy Approval is submitted for the unit. Pre-Approval Inspection Certification status is accepted for tenancy approvals during the 60 day period after the unit passes HQS inspection. If a Request for Tenancy Approval is submitted after the 60 day qualifying period, a new initial HQS inspection must be performed before the unit is approved for tenancy. HAP payments are not tied to the Pre-Approval Inspection. HAP payments begin from the tenancy certification date only.

**Statutory Objective:**

This activity addresses the MTW statutory objective to increase housing choices for low-income families.

**Authorizations:**

Attachment C (D)(5) which waives certain provisions of Sections 8 (o)(8) of the 1937 Act and 24 CFR982 Subpart I

Attachment C(D)(1)(d) which waives certain provisions of Sections 8(o)(9) of the 1937 Act and 24 CFR 982.311.

HACP experienced positive yet modest results in the first year of implementation. With the onboarding of the landlord advisory council and the addition of the landlord outreach specialist more landlords are applying for the program. HACP expects increased participation in the coming plan year as benefits of the program are realized during turnover.

| <b>Standard Metric</b>   | <b>Unit of Measurement</b>   | <b>Baseline</b>   | <b>2015 Benchmark</b>   | <b>2015 Outcome</b>   |
|--|--|---|---|---|
| Local Metric- Housing Choice: Additional Units of Housing Made Available | Number of new housing units made available for households at or below 80% of AMI as a result of the activity (increase). | Housing units prior to implementation:<br><b>0</b>  | Increase the number of units in multi-unit housing structures available to low-income families after implementation:<br><b>Initial 1 year increase of 50 units in multi-unit structures and 4% per year thereafter.</b> | Actual number of units in multi-unit housing structures after implementation.<br><br>29 |
| Cost Effectiveness #1: Agency Cost Savings                               | Total cost of task in dollars (decrease).  | Cost of inspections in dollars prior to implementation:<br><b>\$677,300 annually</b>                | Expected cost of task after implementation:<br><b>\$674,375 annually</b>  | Actual cost after implementation (in dollars).<br>\$675,603.5                           |
| Cost Effectiveness #2: Staff Time Savings                                | Total time to complete the task in staff hours (decrease).   | Total staff time to complete inspections prior to implementation:<br><b>15,662.5 hours annually</b> | Expected amount of total staff time dedicated to inspections after implementation:<br><b>15,630 hours annually</b>  | Actual amount of staff time after implementation (in hours).<br>15,643.65               |
| Cost Effectiveness #3: Decrease in Error Rate of Task Execution          | Average error rate in completing a task as a percentage (decrease).  | Average error rate of task prior to implementation:<br><b>0.1%</b>                                  | Expected average error rate of inspections after implementation:<br><b>0.1% (HACP does not expect a change in</b>   | Expected average error rate of inspections after implementation:<br>.1%                 |

|  |  |  |   |  |
|--|--|--|---|--|
|  |  |  | <b>error rate as a result of this program.)</b> |  |
|--|--|--|---|--|

## 2. Preferred Owners Program

The Preferred Owners Program promotes improved quality of properties and properties in quality neighborhoods, with the aim of addressing the statutory objective to increase housing options for HACP voucher holders. It also aims to increase Cost Effectiveness, as it reduces staff time spent on inspections.

Owners or property managers accepted to the program pass a rigorous set of guidelines consistent HQS inspection passes; complete online and in-person trainings for owners and property managers, and commitment to leasing to more than one HCV voucher holder.

Incentives provided to member landlords are priority inspection scheduling, biennial inspections, and acceptance of prior inspections conducted less than 60 days ago for vacated units. Other incentives include vacancy payments of no more than two months' HAP payments for most recent tenancy when the landlord commits to leasing to another voucher holder and priority placement on HACP's property listing web page.

Authorization: Attachment C (D)(5) which waives certain provisions of Sections 8 (o)(8) of the 1937 Act and 24 CFR982 Subpart I and Attachment C(D)(1)(d) which waives certain provisions of Sections 8(o)(9) of the 1937 Act and 24 CFR 982.311.

| <b>Standard HUD Metric</b>   | <b>Unit of Measurement</b>   | <b>Baseline</b>   | <b>2015 Benchmark</b>   | <b>Outcome</b>   |
|--|--|---|---|--|
| Local Metric- Housing Choice: Additional Units of Housing Made Available | Number of new housing units made available for households at or below 80% AMI as a result of the activity (increase). If units reach a specific type of household, give that type in this box. | Housing units of this type prior to implementation: <b>0 (current number of units of landlords in this program).</b>  | Expected housing units of this type after implementation of the activity: <b>90 (expected number of units in the program after one year).</b> | Actual housing units of this type after implementation (number).<br><br>207              |
| Housing Choice #2: Units of Housing Preserved                            | Number of housing units preserved for households at or below 80% AMI that would otherwise not be available (increase). If units reach a specific type of household                             | Housing units preserved prior to implementation of the activity: <b>0 (number of units currently in the program).</b> | Expected housing units preserved after implementation of the activity: <b>90 (expected number of units in the program after one year).</b>    | Actual housing units preserved after implementation of the activity (number).<br><br>207 |
| Housing Choice #3: Decrease in Wait list time:                           | Average wait list time for applicant (in months)   | Average applicant time on wait list prior to implementation of the activity: N/A                                      | Expected applicant wait list time after implementation of the activity : 5 months   | Actual housing units preserved : N/A   |
| Cost Effectiveness #1: Agency Cost Savings                               | Total cost of task in dollars (decrease).  | Cost of inspecting 90 units in dollars prior to implementation <b>\$5,850 per year</b>                                | Expected cost of task after implementation <b>\$2,925 per year.</b>   | Actual cost after implementation (in dollars). TBD                                       |
| Cost   | Total time to  | Total staff time  | Expected  | Actual amount  |

|   |   |  |  |  |
|---|---|--|--|--|
| Effectiveness #2: Staff Time Savings                            | complete the task in staff hours (decrease).                        | to complete inspections for 90 Preferred Owner units prior to implementation: <b>135 hours per year.</b> | amount of total staff time dedicated to inspecting 90 Preferred Owner units after implementation <b>67.5 hours per year.</b>                     | of staff time after implementation (in hours).<br><br>TBD                              |
| Cost Effectiveness #3: Decrease in Error Rate of Task Execution | Average error rate in completing a task as a percentage (decrease). | Average error rate of task prior to implementation: 0.1%   | Expected average error rate of inspections after implementation: 0.1% [HACP does not expect a change in error rate as a result of this program.] | Actual average error rate of inspections after implementation (percentage).<br><br>TBD |

| HACP Specific Metric                                | Unit of Measurement  | Baseline   | 2015 Benchmark  | 2015 Outcome   |
|---|--|--|---|--|
| Landlords are enrolled in Preferred Owners Program. | Landlords enrolled in Preferred Owners Program (number).       | Landlords enrolled in Preferred Owners Program before start of the program: zero (0).        | Expected number of landlords enrolled in Preferred Owners Program after six months: <b>30.</b>                  | Actual number of landlords enrolled in Preferred Owners Program after six months <b>12</b>                               |
| Increase in landlord satisfaction with HACP.        | Landlords who rate HACP as “good” or “excellent” (percentage). | Amount of landlords who rate HACP as “good” or “excellent” before start of the program: 55%. | Expected amount of landlords who rate HACP as “good” or “excellent” after six months of the program: <b>65%</b> | Actual amount of landlords who rate HACP as “good” or “excellent” after six months of the program (percentage). <b>2</b> |

Total participation was less than expected in the first year. Most of the plan year required extensive outreach to landlords unfamiliar with the program and wary of entering another process. Toward the end of year, HACP recruited several landlords totaling over 207 units by the end of 2015. Efforts to target smaller landlords are anticipated for 2016. HACP and the landlord outreach team remains committed to forging relations within the community and recruiting new landlords to the HCV program and in turn increasing participation.

### **3. Modified Rent Policy for the Section 8 Housing Choice Voucher Program**

As approved in 2011, HACP requires that any non-elderly, non-disabled head of household who is not working at least 15 hours a week to either a) participate in a local self-sufficiency, welfare to work, or other employment preparation and/or training/educational program or b) pay a minimum tenant payment of \$150.00 per month. Voucher holders can claim an exemption from the work or \$150 minimum tenant payment requirements as a result of participation in a self-sufficiency program for a maximum of five years. This policy provides additional incentives for families to work or prepare for work and will increase overall accountability. HACP's objectives for this program include increased employment and income by participants, increased participation in local self-sufficiency, welfare to work, and other employment preparedness/training/educational programs, and possibly decreased HAP expenditures.

Because of limited capacity in HACP's REAL Family Self-Sufficiency Program, voucher holders whose rent calculation results in a rent of less than \$150 per month are permitted to certify via independent third party to their participation in an eligible local self-sufficiency, welfare to work, or other training or education program. HACP continues to pursue expanded partnerships to maximize the program options available for voucher holders.

HACP initially identified programs that would qualify affected families for an exemption from the \$150.00 minimum tenant payment, including the Pennsylvania Department of Public Welfare's Welfare to Work program that is associated with TANF assistance. HACP is working with the Allegheny County Department of Human Services and the Pennsylvania Department of Public Welfare and has identified additional programs and conducted outreach to identified programs to notify agencies of the new requirements and what constitutes acceptable verification.

The provisions of the modified policy are expected to increase the percentage of families reporting earned income and increase the number of families pursuing training and preparation for work through local self-sufficiency, welfare to work, or other employment preparation/training/education programs.

Baselines, Benchmarks, and metrics – benchmarks established as of August 2010 remain and are indicated in the bullets below. Subsequent numbers are included in the charts.

- HACP's August 2010 HCV Program population included 1976 non-elderly, non-disabled families whose tenant payment calculation was less than \$150 per month.

- Of those families, 1454 did not report any wage income. This is the group that this policy was expected to impact.
- Participation among all HCV program participants in HACP's REAL FSS program was 371.
- 769 program participants showed TANF income, and thus were assumed to be compliant with state welfare to work requirements. 98 of these families were enrolled in HACP's REAL FSS program.
- HACP also calculated average HAP overall, average HAP for non-elderly/non-disabled households, and average HAP for households whose rent calculation is less than \$150 per month prior to application of utility allowances. See charts for results.

Please see the chart below for December baseline information and Benchmark targets for each measure.

#### Housing Choice Voucher Program

| Measure   | Baseline | Benchmark | Actual  |
|---|----------|-----------|---------|
|   | 12/2010  | 12/2015   | 12/2015 |
| **Non-Elderly, non-disabled families with total tenant payment <\$150 | 1988     | 1619      | 712     |
| Average overall HAP   | \$486    | \$439     | \$561   |
| Average HAP for non-elderly, non-disabled                             | \$538    | \$438     | \$574   |
| **Average HAP for non-elderly, non-disabled paying <\$150             | \$657    | \$431     | \$401   |

| <b>FSS program Stats subdivided by LIPH/HCV</b>      | <b>LIPH or HCV</b> | <b>2014</b> | <b>2014 Totals</b> | <b>2015</b> | <b>2015 totals</b> |
|--|--------------------|-------------|--------------------|-------------|--------------------|
| FSS Participants                                     | LIPH               | 503         | 790                | 486         | 688                |
|  | HCV                | 287         |                    | 202         |                    |
| Number of families working (of FSS Participants)     | LIPH               | 285         | 470                | 290         | 442                |
|  | HCV                | 185         |                    | 152         |                    |
| Percentage of families working (of FSS participants) | LIPH               | 56          | 60%                | 60%         | 64%                |
|  | HCV                | 65%         |                    | 75%         |                    |
| Number of participants graduating from FSS           | LIPH               | 34          | 73                 | 27          | 68                 |
|  | HCV                | 39          |                    | 41          |                    |
| Number of participants from Escrow accounts          | LIPH               | 176         | 341                | 241         | 422                |
|  | HCV                | 165         |                    | 181         |                    |

This activity is Authorized by Section D. 2. a. of Attachment C and Section D. 1. of Attachment D of the Moving To Work Agreement.

**Information for Rent Reform Activities**

Narrative will be updated to reflect current FSS data

- A review of the data above and below indicates the policy is having the anticipated impact, although HACP FSS enrollments, and declines in average HAP payments for non-elderly, non-disabled families paying less than \$150 per month rent are behind projections. Mechanisms to confirm participation in non-HACP Local Self-Sufficiency programs (LSS) are continuing to be reviewed to ensure accuracy of collected data and the benchmark for FSS enrollments may be unnaturally inflated as families choose LSS programs. As capacity becomes available, families are encouraged to enroll in HACP's FSS program.
- In 2015, HACP saw positive results from this initiative, with increases in employment rates both overall and among FSS participants. Escrow activity increased among FSS participants which implies more families earned wage income throughout the year. Participation in training declined, as criteria for training participation remained competitive, and outside resources for training were limited. Other measures remained fairly stable, as expected but

more importantly, participants within the impacted population averaged HAP payments that were significantly lower than the program average. Increases in average HAP payments for the entire program are believed to be a result of a tightening rental market and increases in rents generally, not as a result of any change in income among program participants. HACP remains committed to, and optimistic about, the long term impact of this policy and will secure new third party evaluators to further analyze HACP's rent policies and the FSS program in 2016.

- Additional Data and HUD Standard Metrics are included below.
- Hardship Requests: HACP approved four (4) hardship requests in 2015.

NOTE: Standard HUD Metrics were not utilized in the 2013 MTW Annual Plan. Therefore, the 2014 Benchmark is presented, and the 2013 outcome, where available. The Outcome Achieved column is left as TBD as no benchmarks for these specific measures were established for 2013. .

| Standard HUD Metrics – Self-Sufficiency – modified based on HACP capability  |              |              |              |              |
|--|--------------|--------------|--------------|--------------|
| Unit of Measure  | Baseline     | Outcome 2013 | Outcome 2014 | Outcome 2015 |
| SS#1: Increase on Household Income: Average Gross Income of all households   | \$11,802     | \$11,676     | \$11,704     | \$11,881     |
| SS#2: Increase in Household Savings: Average amount of savings/escrow of households affected by this policy in dollars (increase)                          | \$3,789.66** | \$4,143      | \$3,086.81   | \$2,854      |
| SS#3: Increase in Positive Outcomes in Employment Status: Other: Employed full or part time - Number   | 1475         | 1537         | 1582         | 1751         |
| SS#3: Increase in Positive Outcomes in Employment Status: Other: Employed full or part time – percentage (of all families)                                 | 28.61%       | 29%          | 30%          | 30%          |
| SS#3, Increase in Positive Outcomes in Employment Status: Other (3 + 4): Enrolled in Education or training program <i>number</i> (of FSS participants)     | 101          | 78           | 46           | 30           |
| SS#3, Increase in Positive Outcomes in Employment Status: Other (3 + 4): Enrolled in Education or training program <i>percentage</i> (of FSS participants) | 22.54%       | 25%          | 5%           | 13           |
| SS#4: Households Removed from Temporary Assistance for Needy Families (TANF): Number of households receiving TANF assistance                               | 774          | 718          | 724          | 810          |

|  |          |       |       |       |
|--|----------|-------|-------|-------|
| (of all households) (decrease)   |          |       |       |       |
| SS#5: Households Assisted by Services that Increase Self-Sufficiency: Number of households receiving services aimed to increase Self-sufficiency (FSS enrollment)                          | 353      | 309   | 287   | 189   |
| SS#6: Reducing Per Unit Subsidy Costs for Participating Households: Average amount of Section 8 Subsidy per household affected by this policy in dollars (HAP) (all households) (decrease) | \$466.24 | \$483 | \$548 | \$561 |
| SS#8: Households Transitioned to Self-sufficiency: Number of households transitioned to self-sufficiency (graduation)  | 12       | 15    | 39    | 41    |

\* All households, elderly and disabled excluded.

\*\* 2013 average. Ongoing corrections to system calculation error have led to establishment of new baseline.

#### HACP Metrics - HCV FSS

|  | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |
|--|------|------|------|------|------|------|
| FSS Participants                         | 448  | 353  | 304  | 309  | 287  | 240  |
| Families working (of FSS participants)   | 248  | 242  | 256  | 273  | 185  | 152  |
| % of families working (FSS participants) | 55%  | 69%  | 84%  | 88%  | 65%  | 75%  |
| # graduating                             | 12   | 15   | 7    | 15   | 39   | 41   |
| # with FSS accounts                      | 191  | 193  | 185  | 186  | 165  | 181  |

#### 4. Modified Rent Policy for the Low Income Public Housing Program.

As approved in 2008, HACP requires that any non-elderly, non-disabled head of household who is not working to either participate in the Family Self-Sufficiency Program or pay a minimum rent of \$150.00 per month. Specifically, the HACP lease and ACOP requires that any non-elderly, non-disabled head of household who is not working and is paying less than \$150.00 per month in rent will be required to participate in a Family Self-Sufficiency Program. For administrative purposes, this has been presented as a minimum rent of \$150 per month with the following exceptions:

- Tenant actively participating in HACP, Department of Public Welfare, or other approved self-sufficiency program.
- Tenant is age 62 or older.

- Tenant is blind or otherwise disabled and unable to work.
- Tenant is engaged in at least 15 hours of work per week.
- Tenant has applied for a hardship exemption.

All other elements of rent calculation remain unchanged, and those in one of the categories listed above may have rents of less than \$150.00 per month but not less than \$25.00 per month.

HACP may grant a hardship exemption from the rent, including the \$25.00 per month minimum required of those exempted from the \$150.00 minimum rent, under the following circumstances:

- When the family is awaiting an eligibility determination for a government assistance program;
- When the income of the family has decreased because of loss of employment;
- When a death has occurred in the family; and
- When other such circumstances occur that would place the family in dire financial straits such that they are in danger of losing housing. Such other circumstances will be considered and a determination made by the HACP.

HACP's modified rent policy was expected to have a number of positive impacts on the HACP and HACP residents, including, but not limited to, increased rent collections by the HACP, a changed environment where work by adults is the norm, an increased level of active participation in the HACP self-sufficiency program and, of course, added incentive for residents to become self-sufficient.

HACP established baseline measures in mid-2008 and mid-2009 as the full implementation of the policy was completed, and detailed information on the impact of the activity as compared against the benchmarks and outcome metrics are included below.

In addition to the baseline measures established in mid-2008 and mid-2009 as the full implementation of the policy was completed, HACP has some data dating to 2005 when the LIPH enhanced FSS program was established. LIPH data through 2014 from the Tracking at a Glance Software, Emphasys Elite, and internal reports are included in the tables below.

| FSS Program Stats                                    | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |
|--|------|------|------|------|------|------|------|------|------|------|------|
| FSS Participants                                     | 658  | 835  | 347  | 599  | 685  | 630  | 598  | 646  | 707  | 503  | 486  |
| Number of families working (of FSS participants)     | 181  | 222  | 254  | 167  | 290  | 204  | 237  | 257  | 286  | 285  | 290  |
| Percentage of families working (of FSS participants) | 28%  | 27%  | 73%  | 28%  | 42%  | 32%  | 50%  | 40%  | 41%  | 56%  | 60%  |
| # graduating from FSS                                | n/a  | n/a  | n/a  | n/a  | 32   | 14   | 5    | 8    | 10   | 34   | 33   |
| # of FSS participants with escrow accounts           | 29   | 42   | 50   | 111  | 188  | 191  | 194  | 197  | 183  | 176  | 241  |

| Item   | Baseline July 2008 | Jul-09     | Jul-2010  | Jul-2011  | Dec 2011   | Dec 2012  | Dec 2013  | Dec 2014  | Dec 2015  |
|--|--------------------|------------|-----------|-----------|------------|-----------|-----------|-----------|-----------|
| HACP Rent Roll Amounts (\$)                        | \$685,682          | \$677,954  | \$629,458 | \$623,063 | \$598,036. | \$602,363 | \$621,088 | \$603,917 | \$639,527 |
| HACP Rent collection amounts (\$)                  | \$612,027          | \$684,948. | \$603,267 | \$553,277 | \$560,161. | \$626,041 | \$594,569 | 637,900   | \$656,166 |
|  | Aug-08             |            |           |           |            |           |           |           |           |
| Average Rent All Communities                       | \$198.88           | n/a        | \$199.81  | \$205.68  | \$205.76   | \$207.88  | \$214.00  | \$214     | \$222.21  |
| Number of families working (reporting wage income) | 713                | n/a        | 693       | 752       | 697        | 620       | 624       | 599       | 721       |
| Percentage of families working                     | 22%                | n/a        | 22%       | 25%       | 25%        | 22%       | 22%       | 23%       | 28%       |

Data is collected via Emphasys Elite software, with periodic reports based on the tenant database.

HACP anticipated that this policy would result in increased rent roll and collections, increased participation in the FSS program, and increased number and percentage of families working. The first three indicators were expected to increase immediately, however, due to recent economic conditions and the time needed for families to prepare for work, the number and percentage of families working was not expected to increase until the second or third year of policy implementation.

At this point of implementation, expected results have actualized and are generally in line with expected outcomes. In 2015, HACP continued to see progress as a result of this initiative. Number and percentage of families working, both overall and among participants in the FSS program, increased and 27 participants graduated from the program. Average rents experienced there first increase since 2013 resulting in a 4 percent growth rate. FSS participation remained in line despite high populations of elderly disabled households, FSS graduation totals and tightened pre-qualification criteria and reduced availability of training programs. HACP remains committed to this effort and will secure new third party evaluators to further analyze HACP's rent policies and the FSS program in 2016.

To more fully understand the impacts of this policy, HACP has also gathered the following

| LIPH Rent Policy Impact Data  | 2011   | 2012   | 2013   | 2014   | 2015   |
|---|--------|--------|--------|--------|--------|
| Item  | Number | Number | Number | Number | Number |
| Total non-disabled non-elderly families   | 1309   | 1296   | 1261   | 1110   | 1088   |
| Number of families working (reporting wage income)  | 556    | 507    | 624    | 599    | 546    |
| Percentage of non-disabled, non-elderly families working                                      | 43%    | 39%    | 49.5%  | 43 %   | 50 %   |
| Number of families impacted (non-elderly non-disabled and rent less than \$150)               | 797    | 789    |        | 598    | 562    |
| Number exempt due to disability (disabled, rent <\$150)                                       | 210    | 130    |        | 141    | 68     |
| Number exempt due to elderly (age 62+, rent <\$150)   | 69     | 46     |        | 62     | 17     |
| Number enrolling in FSS (not elderly, not disabled, Tenant Rent <= \$150 and enrolled in FSS) | 397    | 634    | 703    | 286    | 338    |

NOTE: Standard HUD Metrics were not utilized in the 2013 MTW Annual Plan. Therefore, the 2014 Benchmark is presented, and the 2013 outcome, where available.

| Standard HUD Metrics – LIPH FSS   |          |              |              |              |
|---|----------|--------------|--------------|--------------|
| Unit of Measure   | Baseline | Outcome 2013 | Outcome 2014 | Outcome 2015 |
| SS#1, additional: Increase in Household Income: Average Gross Income of all | \$11,268 | \$11,452     | \$11,704     | \$12,161     |

|   |           |           |           |           |
|---|-----------|-----------|-----------|-----------|
| households  |           |           |           |           |
| SS#2: Increase in Household Savings: Average amount of savings/escrow of households affected by this policy in dollars (increase).                | 1,772     | \$2,143   | \$2,134   | 2,668     |
| SS#3: Increase in Positive Outcomes in Employment Status: Other: Employed Number (all households)   | 620       | 624       | 599       | 546       |
| SS#3: Increase in Positive Outcomes in Employment Status: Other: Employed percentage (all households)   | 21.72%    | 22%       | 23%       | 20%       |
| SS#3 Increase in Positive Outcomes in Employment Status: Other: (3+4): Enrolled in Education or Training program number (of FSS participants)     | 88        | 50        | 22        | 18        |
| SS#3 Increase in Positive Outcomes in Employment Status: Other: (3+4): Enrolled in Education or Training program percentage (of FSS participants) | 14%       | 7%        | 4%        | 3%        |
| SS#4: Households Removed from Temporary Assistance for Needy Families (TANF): Number receiving TANF (all)   | 637       | 513       | 376       | 324       |
| SS#5: Households Assisted by Services that Increase Self-Sufficiency: Number of households receiving Self-sufficiency services (FSS enrollment)   | 634       | 707       | 503       | 403       |
| SS#7: Increase in Agency Rental Revenue: PHA Rental Revenue in dollars (increase)   | \$626,041 | \$594,569 | \$637,901 | \$656,166 |
| SS#8: Households Transitioned to Self-Sufficiency: Number of households transitioned to self-sufficiency (graduation)                             | 7         | 10        | 34        | 10        |

This policy is authorized by section C. 11. of Attachment C, and Section C. 3 of Attachment D of the Moving To Work Agreement.

### **5. Revised recertification requirements policy.**

Approved in 2008 for the Housing Choice Voucher Program and in 2009 for the Low Income Public Housing Program, recertification requirements are modified to require recertification at least once every two years rather than annually. Changes in income still must be reported, standard income disregards continue to apply, and HACP continues to utilize the EIV system in completing recertifications. This policy change reduces administrative burdens on the Authority, thereby reducing costs and increasing efficiency.

HACP has calculated the average time to process a recertification, the number of recerts completed annually, and the resulting costs, and has compared this to the same total calculations subsequent to the change in policy to measure the impact.

| Re-certification Policy for HCV | 2010      | 2011      | 2012      | 2013      | 2014      | 2015      |
|---------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Number of Annual Recerts        | 2698      | 2455      | 3239      | 3131      | 2749      | 2577      |
| Number of interim Recerts       | 1889      | 1933      | 3113      | 2746      | 2318      | 2222      |
| Total Recerts (2009 Estimated)  | 4596      | 4380      | 6352      | 5877      | 5067      | 4799      |
| Average cost per recert         | \$53.63   | \$53.63   | \$53.63   | \$53.63   | 53.63     | 53.63     |
| Total estimated costs           | \$246,483 | \$234,899 | \$340,658 | \$315,184 | \$271,743 | \$257,370 |

| Re-certification Policy for LIPH | 2010         | 2011         | 2012         | 2013         | 2014         | 2015      |
|----------------------------------|--------------|--------------|--------------|--------------|--------------|-----------|
| Number of Annual Recerts         | 2587         | 2383         | 1648         | 1216         | 1357         | 1234      |
| Number of interim Recerts        | 1052         | 947          | 1760         | 1540         | 1138         | 1373      |
| Total Recerts                    | 3639         | 3330         | 3408         | 2756         | 2495         | 2607      |
| Average cost per recert          | \$53.63      | \$53.63      | \$53.63      | \$53.63      | 53.63        | 53.63     |
| Total estimated costs            | \$195,159.57 | \$178,587.90 | \$182,771.04 | \$147,804.28 | \$133,806.85 | \$139,813 |

In 2015, HACP saw continuing benefits of this policy, especially in the Housing Choice Voucher program, as total certifications and the time spent on this task declined. The Low Income Public Housing program experienced a significant decline in annual certifications but an increase in interim recertifications which absorbed much of the cost savings.

This initiative also provides positive outcomes in accommodating HACP's dominate population of elderly and disabled persons in both programs, whom often have homogeneous incomes from

year to year. This policy alleviates some burden from the impediment of transportation and harsh climate in the City of Pittsburgh, particularly during the winter months when the elderly and disabled face additional burden when traveling.

NOTE: Standard HUD Metrics were not utilized in the 2013 MTW Annual Plan. Therefore, the 2014 Benchmark is presented, and the 2013 outcome, where available.

HCV - HUD STANDARD METRICS – Cost Effectiveness- Estimates

| Unit of measure   | Baseline     | 2015 Benchmark | 2013 Outcome | 2014 Outcome | 2015 Outcome |
|---|--------------|----------------|--------------|--------------|--------------|
| CE#1: Agency Cost Savings: Total cost of task in dollars (decrease)                 | \$294,965.00 | \$112,623      | \$315,183.51 | \$271,743    | \$257,370    |
| CE#2: Staff Time Savings: Total Time To Complete the Task in staff hours (decrease) | 11,000 hours | 5,500 hours    | 11,754 hours | 10,134 hours | 9,598 hours  |

Note: provided numbers do not account for fluctuations in program size.

LIPH - HUD STANDARD METRICS – Cost Effectiveness - Estimates

| Unit of measure   | Baseline     | 2014 Benchmark | 2013 Outcome | 2014 Outcome | 2015 Outcome |
|---|--------------|----------------|--------------|--------------|--------------|
| CE#1: Agency Cost Savings: Total cost of task in dollars (decrease)                 | \$208,942.48 | \$187,705      | \$147,804.28 | \$133,806.85 | \$139,813    |
| CE#2: Staff Time Savings: Total Time To Complete the Task in staff hours (decrease) | 7,792 hours  | 7,000 hours    | 5,512 hours  | 4990 hours   | 5214 hours   |

Note: provided numbers do not account for fluctuations in program size.

Authorized by Section C. 4. of Attachment C (for public housing) and Section D.1. c. of Attachment C (for Housing Choice Voucher Program).

**6. A. Operation of a combined Public Housing and Housing Choice Voucher Homeownership Program.**

Initially approved in 2007, with additional components approved in 2010 and 2013. HACP operates a single Homeownership Program open to both Low Income Public Housing and Housing Choice Voucher Program households. This approach reduces administrative costs, expands housing choices for participating households, and provides incentives for families to pursue employment and self-sufficiency through the various benefits offered. By combining the programs, increased benefits are available to some families.

HACP data in 2009 indicated that there were over 800 families receiving Housing Choice Voucher assistance who had income high enough to be considered for homeownership. HACP

tracks the number, and success rate, of Homeownership Program participants from the LIPH and HCV program. Further analysis of potentially eligible participants in the LIPH and HCV programs is conducted periodically, followed by appropriate outreach to potentially eligible families. The total number of homeownership sales and the number of participants in the program are also tracked to measure the impact of this initiative.

The tables below show Homeownership Program Statistics relevant to this Section IV. 4., and also to Section IV. 5. below.

#### Homeownership Program Statistics

|                                   | <b>LIPH or HCV</b> | <b>2012</b> | <b>Total 2012</b> | <b>2013</b> | <b>Total 2013</b>  |
|-----------------------------------|--------------------|-------------|-------------------|-------------|--------------------|
| Closings / Purchase               | LIPH               | 0           | <b>5</b>          | 4           | <b>10</b>          |
|                                   | HCV                | 5           |                   | 4           |                    |
| Sales Agreements                  | LIPH               | 3           | <b>11</b>         | 5           | <b>8</b>           |
|                                   | HCV                | 8           |                   | 3           |                    |
| Pre-Approval Letters              | LIPH               | 3           | <b>7</b>          | 4           | <b>9</b>           |
|                                   | HCV                | 4           |                   | 5           |                    |
| Number of applicants              | LIPH               | 12          | <b>99</b>         | 35          | <b>138</b>         |
|                                   | HCV                | 87          |                   | 103         |                    |
| Homeownership Education completed | LIPH               | 12          | <b>99</b>         | 10          | <b>40</b>          |
|                                   | HCV                | 87          |                   | 30          |                    |
| HACP funds for closing (total)    | LIPH               | \$0         | <b>\$6,720</b>    | \$15,124    | <b>\$38,209</b>    |
|                                   | HCV                | \$6,720     |                   | \$23,085    |                    |
| Average HACP 2nd mortgage amount* | LIPH               | 0           | <b>\$7,000.00</b> | 12,400      | <b>\$69,400.00</b> |
|                                   | HCV                | \$7,000.00  |                   | \$57,000.00 |                    |
| Average Purchase price            | LIPH               | \$0         | <b>\$53,800</b>   | \$92,000    | <b>\$97,950</b>    |
|                                   | HCV                | \$53,800    |                   | \$101,917   |                    |
| Amount of non-HACP assistance**   | LIPH               | \$0         | <b>\$14,741</b>   | \$94,800    | <b>\$256,760</b>   |
|                                   | HCV                | \$14,741    |                   | \$161,960   |                    |
| Foreclosures                      | LIPH               | 0           | <b>0</b>          | 0           | <b>0</b>           |
|                                   | HCV                | 0           |                   | 0           |                    |

| Homeownership Statistics          | 2014<br>Total | LIPH<br>2014 | HCV<br>2014 | 2015<br>Total | LIPH<br>2015 | HCV<br>2015 |
|-----------------------------------|---------------|--------------|-------------|---------------|--------------|-------------|
| Closings / Purchase               | 4             | 3            | 1           | 11            | 4            | 7           |
| Sales Agreements                  | 5             | 3            | 2           | 11            | 4            | 7           |
| Pre-Approval Letters              | 11            | 5            | 6           | 11            | 4            | 7           |
| Number of applicants              | 80            | 27           | 53          | 61            | n/a          | n/a         |
| Homeownership Education completed | 100           | 70           | 30          | 38            | n/a          | n/a         |
| HACP funds for closing (total)    | \$14,909      | \$8,000      | \$4,740     | \$39,139      | \$10,554     | \$28,585    |
| Average HACP 2nd mortgage amount* | 0             | 0            | 0           | \$13,168      | \$12,231     | \$13,704    |
| Average Purchase price            | \$57,266      | 79,000       | \$70,999    | \$101,491     | \$87,475     | \$109,500   |
| Amount of non-HACP assistance**   | 0             | 0            | 0           | \$148,000     | \$38,000     | \$110,000   |
| Foreclosures                      | 0             | 0            | 0           | 0             | 0            | 0           |

Assistance from other sources was as follows:

|   | 2010         | 2011        | 2012        | 2013         |
|---|--------------|-------------|-------------|--------------|
| <u>Housing Choice Voucher<br/>Program Buyers:</u> |              |             |             |              |
| Seller's assist                                   | \$7,856.57   | 0           | \$6,724.18  | \$2,700.00   |
| State   | \$3,000.00   | \$4,808.00  | \$0.00      | \$0.00       |
| Dollar Bank 3-2-1                                 | \$2,750.00   | 0           | \$2,705.00  | \$4,900.00   |
| URA Soft-Second Mortgage                          | \$103,000.00 | \$58,000.00 | \$0.00      | \$145,360.00 |
| American Dream Grant                              | 0            | \$3,000.00  | \$3,000.00  | \$9,000.00   |
| Bartko Foundation                                 | 0            | \$4,095     | \$0.00      | \$0.00       |
| Parkvale Savings Banks                            | 0            | \$20,000.00 | \$0.00      | \$0.00       |
| East Liberty Development, Inc.                    | 0            | \$4,855.00  | \$0.00      | \$0.00       |
| ACB Grant   |              |             | \$2,312.00  | \$0.00       |
| <b>Total</b>                                      | \$116,606.57 | \$94,758.00 | \$14,741.18 | \$161,960.00 |
| <u>Low Income Public Housing<br/>Buyers:</u>      |              |             |             |              |
| URA Soft-second Mortgage                          | \$1,039.62   | 0           | 0           | 92,000.00    |
| State   | \$3,000.00   | 0           | 0           | 0            |
| Dollar Bank 3-2-1                                 | \$3,300.00   | 0           | 0           | 0            |
| Habitat for Humanity                              | \$0          | \$1,350.00  | 0           | 0            |
| <b>Total</b>                                      | \$10,339.62  | \$1,350.00  | 0           | 92,000.00    |
| <b>Grant Total Other Assistance:</b>              | \$126,946.19 | \$96,108.00 | \$14,741.18 | \$253,960.00 |

|   | <b>2014</b>       | <b>2015</b>      |
|---|-------------------|------------------|
| <u>Housing Choice Voucher Program Buyers:</u> |                   |                  |
| Seller's assist                               | \$4,740.00        | 0                |
| State   | 0                 | 0                |
| Dollar Bank 3-2-1                             | 0                 | 0                |
| URA Soft-Second Mortgage                      | 0                 | \$110,000        |
| American Dream Grant                          | 0                 | 0                |
| Bartko Foundation                             | 0                 | 0                |
| Parkvale Savings Banks                        | 0                 | 0                |
| East Liberty Development, Inc.                | 0                 | 0                |
| ACB Grant                                     | 0                 | 0                |
| <b>Total</b>                                  | <b>\$4,740.00</b> | <b>0</b>         |
|   |                   |                  |
| <u>Low Income Public Housing Buyers:</u>      |                   |                  |
| URA Soft-second Mortgage                      | 0                 | \$38,000         |
| State   | 0                 | 0                |
| Dollar Bank 3-2-1                             | 0                 | 0                |
| Habitat for Humanity                          | 0                 | 0                |
| <b>Total</b>                                  | <b>0</b>          | <b>0</b>         |
|   |                   |                  |
| <b>Grant Total Other Assistance:</b>          | <b>0</b>          | <b>\$148,000</b> |

Foreclosure Prevention: Only two homes have gone into foreclosure in our program's history, with well over 130 families supported to become homeowners in the last 10 years. The family refused multiple offers of assistance and the resources of the foreclosure prevention component of HACP's homeownership program.

Homeownership Soft-Second Mortgage Waiting List: This has not been established, as at no point have pre-approvals and closings combined approached our budgeted level.

HACP continued to see success with this program, with 11 families becoming homeowners in 2015. In addition, 38 new families continued to enroll in and complete the program, becoming prepared for future purchases HACP experienced an increase in home purchases in 2015 performing 10 percent above HACP's goal. In recent years, Pittsburgh has experienced steady growth and demand for housing resulting in increased rental costs. Many applicants were eager

to enter home ownership, as mortgage payments became comparable to the rising rental rates. HACP expects to experience continuous growth in the program 2016.

NOTE: Standard HUD Metrics were not utilized in the 2013 MTW Annual Plan. Therefore, the 2014 Benchmark is presented, and the 2013 outcome, where available.

| HUD Standard Metrics - Cost Effectiveness - Homeownership                                    |          |                |              |              |
|--|----------|----------------|--------------|--------------|
| Unit of Measurement  | Baseline | 2015 Benchmark | 2014 Outcome | 2015 Outcome |
| Number of recerts (reduced)  | 10/year  | 0              | 4            | 11           |
| CE#1: Agency Cost Savings: Total cost of task in dollars (decrease) (recerts)                | \$5,330. | 0              | \$6,650.12   | TBD          |
| CE#2: Staff Time Savings: Total time to complete the task in staff hours (decrease) recerts) | 20       | 0              | 2,480        | TBD          |
| CE#4: Increase in Resources Leveraged: Amount of funds leveraged in dollars (increase)       | 0        | \$35,000       | \$4,740      | TBD          |

| HUD Standard Metrics - Housing Choice  |          |                |              |              |
|--|----------|----------------|--------------|--------------|
| Unit of Measurement  | Baseline | 2015 Benchmark | 2014 Outcome | 2015 Outcome |
| HC#5: Number of households able to move to a better unit and/or neighborhood of opportunity  | 0        | 10             | 4            | 11           |
| HC#6: Increase in Homeownership Opportunities: Number of households that purchased a home  | 0        | 10             | 4            | 11           |
| HC#7: Households Assisted by Services that Increase Housing Choice: Number of households receiving services aimed at increasing housing choice | 0        | 45             | 100          | 61           |

This activity is Authorized by Section B. 1. and D. 8 of Attachment C and Section B. 4. of Attachment D of the Moving To Work Agreement.

**6. B. Homeownership Program assistance to include soft-second mortgage assistance coupled with closing cost assistance, homeownership and credit counseling, and foreclosure prevention only; expand eligibility to persons on the LIPH and HCV program waiting list; establish a Homeownership Soft-second mortgage waiting list.**

Initially approved in 2010, the following provisions of the HACP homeownership program are unchanged for 2014:

- i. Provide soft-second mortgage financing for home purchases to eligible participants, calculated as follows: eligible monthly rental assistance x 12 months x 10 years, but in no case shall exceed \$32,000. The second mortgage is forgiven on a pro-rated basis over a ten year period.
- ii. Expand Homeownership Program eligibility to include persons on HACP's LIPH and Section 8 HCV waiting lists who have received a letter of eligibility for those programs from the HACP.
- iii. Establish a Homeownership Waiting List to assist in determining the order of eligibility for second mortgage Homeownership benefits.

This program continues successfully, reducing costs for the HACP, providing incentives for families to become self-sufficient homeowners, and expanding housing choices for eligible families. Program enrollment is steady, and as in prior years, only 2 foreclosures have taken place. Please see the program statistics under Section 4. A., above, for statistics, HUD Standard Metrics, and additional information on the results of this initiative.

This activity is Authorized by Section B. 1. and D. 8 of Attachment C and Section B. 4. of Attachment D of the Moving To Work Agreement.

**7. Modified Housing Choice Voucher Program policy on maximum percent of Adjusted Monthly Income permitted.**

Originally approved in 2001, HACP's operation of the Housing Choice Voucher Program allows flexibility in the permitted rent burden (affordability) for new tenancies. Specifically, the limit of 40% of Adjusted Monthly Income allowed for the tenant portion of rent is used as a guideline, not a requirement. HACP continues to counsel families on the dangers of becoming overly rent burdened, however, a higher rent burden may be acceptable in some cases. This policy increases housing choice for participating families by giving them the option to take on additional rent burden for units in more costly neighborhoods.

While this is a long-standing HACP policy, HACP is continuing to pursue data sources in order to identify the percentage of families renting in non-impacted census tracts prior to the policy change to establish a baseline, and to compare this to the percentage of new leases approved in non-impacted census tracts. HACP will also assess the percentage of new leases utilizing the affordability exception. Initial data and calculation assessments determined additional work was needed to ensure accuracy, and this work is ongoing.

In 2015, 50 families took advantage of this option furthering their ability to move to a residence of their choice HACP expects more families to exercise this option in coming years as redevelopment continues throughout the City of Pittsburgh and market costs continue to steadily increase.

This activity is authorized in Section D. 2. C. of Attachment C and Section D. 1. b. of Attachment D of the Moving To Work agreement.

NOTE: Standard HUD Metrics were not utilized in the 2013 MTW Annual Plan. Therefore, the 2014 Benchmark is presented, and the 2013 outcome, where available.

HUD Standard Metrics – Housing Choice

| Unit of Measurement  | Baseline | 2015 Benchmark | 2013 Outcome | 2014 Outcome | 2015 Outcome |
|--|----------|----------------|--------------|--------------|--------------|
| HC#1: Additional units made available: Number of new units made available to households at or below 80%AMI*                | 0        | 50             | 13           | 34           | 50           |
| HC#5: Increase in Resident Mobility: Number of households able to move to a better unit and/or neighborhood of opportunity | 0        | 50             | 13           | 34           | 50           |

\* Note: Assumes the unit rented by a family at more than 40% of adjusted monthly income would not be affordable, and thus not available, to low income families.

**8. Modified Payment Standard Approval.**

Originally approved in 2004, HACP is authorized to establish Exception Payment Standards up to 120% of FMR without prior HUD approval. HACP has utilized this authority to establish Area Exception Payment Standards and to allow Exception Payment Standards as a Reasonable Accommodation for a person with disabilities. Allowing the Authority to conduct its own analysis and establish Exception Payment Standards reduces administrative burdens on both the HACP and HUD (as no HUD submission and approval is required) while expanding housing choices for participating families.

HACP does not currently have any Area Exception Payment Standards, having eliminated them in prior years due to budgetary constraints, but may re-establish such areas in future years.

HACP continues to allow an Exception Payment Standard of up to 120% of FMR as a reasonable accommodation for persons with disabilities and to increase housing choices for persons with disabilities.

In 2013, HACP received approval to establish an Exception Payment Standard for new or substantially renovated fully Accessible Units meeting the Requirements of the Uniform Federal Accessibility Standard (UFAS), up to 120% of FMR. This exception payment standard can be used by HACP in the Project Based Voucher Program or other rehabilitation or new construction initiatives to support the creation of additional UFAS accessible units.

This initiative will increase housing choices for low-income families who require the features of an accessible unit. Implementation of this initiative will increase the availability of affordable accessible units in desirable locations and environments, decreasing wait times and increasing the number of families who can reside in a unit that meets all of their accessibility needs. Most specifically, it will increase the number of fully accessible units (and families) supported by the Housing Choice Voucher (HCV) Program, and will increase the choices for low-income disabled families receiving assistance through the HCV program.

This authorization streamlines the process for approval of the exception payment standard to promote the creation of accessible units in the City of Pittsburgh. Based on the factors of Pittsburgh’s topography and older housing stock, few fully accessible units exist outside of senior citizen high rise buildings. These factors also make conversion of existing units more difficult and costly, and make meeting the UFAS standards challenging even in new construction. Therefore, this exception payment standard provides an incentive for engagements of new construction and building renovations to include accessible units, and to cover the added costs associated with meeting those exacting standards.

In 2015, HACP constructed 20 UFAS units in Addison Redevelopment Phase I under this payment standard and few other families took advantage of this initiative, but those disabled families that did so had more choices in their search for an affordable home. Additional project based vouchers UFAS units are expected to be completed in 2016 are pending for Larimer Redevelopment and Phase II of Addison Redevelopment.

Modified Payment Standard - HUD Standard Metrics – Housing Choice

| Measure  | Baseline | 2015 Benchmark | 2014 Outcome | 2015 Outcome |
|--|----------|----------------|--------------|--------------|
| HC#1: Additional Units made available: Number of new units made available for households at or below 80% of AMI    | 0        | 8              | 6            | 20           |
| HC#2: Units of Housing Preserved: Number of housing units preserved for households at or below 80% of AMI          | 0        | 0              | 0            | 0            |
| HC#4: Displacement Prevention: Number of households at or below 80% AMI that would lose assistance or need to move | 0        | 0              | 0            | 0            |
| HC#5: Increase in Resident Mobility:   |          |                |              |              |

|   |   |   |   |    |
|---|---|---|---|----|
| Number of households able to move to a better unit and/or neighborhood of opportunity | 0 | 8 | 6 | 20 |
|---|---|---|---|----|

HACP Measure:

| Measure                     | A. Baseline | B. Benchmarks                                  | Outcome |
|-----------------------------|-------------|--|---------|
| New Housing Units Available | 0           | 2014 – 4<br>2015 – 8<br>2016 – 13<br>Total: 25 | 6<br>20 |

This activity is authorized under Section D. 2. a. of Attachment C of the Moving To Work Agreement.

### **9. Use of Block Grant Funding Authority via the *Step Up To Market Financing Program* for Development, Redevelopment, and Modernization**

In 2012, HACP proposed and HUD approved the Use of Single Fund Flexibility to support development and redevelopment via the *Step Up To Market Financing Program*.

Throughout its Moving To Work Program, HACP has utilized the block grant funding flexibility of the Moving To Work Program to generate funds to leverage development and redevelopment activities. These development and redevelopment activities are a key strategy in pursuit of the goal of repositioning HACP’s housing stock. This strategy increases effectiveness of federal expenditures by leveraging other funding sources and increases housing choices for low-income families by providing a wider range of types and quality of housing.

For example, in 2010 HACP utilized \$7,672,994 generated from Housing Choice Voucher Subsidies and Low Income Public Housing Subsidies to support redevelopment of Garfield Heights, specifically Garfield Heights Phase III. This helped produce 23 LIPH units, 9 Tax Credit affordable units, and spurred additional investments that created 9 affordable market rate units. This leveraged \$7,291,363 in Low Income Housing Tax Credit Equity and \$200,000 in additional investments in the LIPH and Tax Credit units. Closing for Garfield Phase III occurred in 2010, and construction and lease up was completed in 2011.

These investments increase housing choice by creating brand new public housing and low income tax credit units, and are the catalyst for the creation of affordable market rate units available to low-income families. These new units provide a style and quality of housing for low-income families that are not widely available in the Pittsburgh housing market.

This activity is authorized by Section B. of Attachment C of the Moving To Work Agreement, with additional specific authorizations in Attachment C, Section B (1) and D. (7) and Attachment D, Section B (1) and Section D(1).

Closing on Addison Phase II and Larimer/East Liberty Phase I, including elements of the Step Up To Market financing program, occurred in late 2015. Section A below describes the overall authorities approved and Section B below describes the specific authorities utilized in 2015.

A. Description:

- HACP will expand its use of the Block grant authority authorized in the Moving To Work Agreement to leverage debt to fund public housing redevelopment and modernization. The goal is to address additional distressed properties in HACP's housing stock prior to the end of the current Moving To Work agreement. Specifically, HACP will identify properties for participation in the Step Up To Market Program and will utilize one or more strategies, subject to any required HUD approvals, including but not limited to, the following:
  - i. Project basing HACP units without competitive process
  - ii. Determining a percentage of units that may be project-based at a development up to 100% of units
  - iii. Project basing units at levels not to exceed 150% of the FMR as needed to ensure viability of identified redevelopment projects. Actual subsidy levels will be determined on a property-by-property basis, and will be subject to a rent reasonableness evaluation for the selected site, and a subsidy layering review by HUD. When units are HACP-owned, the rent reasonableness evaluation will be conducted by an independent third party.
  - iv. Extending Eligibility for project based units to families with incomes up to 80% of AMI.
  - v. Establishing criteria for expending funds for physical improvements on PBV units that differ from the requirements currently mandated in the 1937 Act and implementing regulations. Any such alternate criteria will be included in an MTW Plan or Amendment submission for approval prior to implementation.
  - vi. Establishing income targeting goals for the project based voucher program, and/or for specific project based voucher developments, that have a goal of promoting a broad range of incomes in project based developments.
  - vii. Other actions as determined to be necessary to fund development and/or modernization subject to any required HUD approvals. HACP will follow HUD protocol and submit mixed-finance development proposals to HUD's Office of Public Housing Investments for review and approval.

In 2015, HACP utilized elements of the Step Up To Market strategy for financing Addison Phase II and Larimer/East Liberty Phase I. HACP and its partners have identified the following strategies that will leverage Low Income Housing Tax Credits and capital contributions by the

HACP in order to complete the financing for the following projects: Addison Phase III, Larimer/East Liberty Phase II, Allegheny Dwellings Phase I, Northview Midrise, and Glen Hazel RAD.

1. Project basing HACP units without competitive process (As authorized under Attachment C. Section B. Part 1. b. vi. and Part 1. c.; Attachment C. Section D. 7. a.. authorizing the HACP “to project-base Section 8 assistance at properties owned directly or indirectly by the agency that are not public housing, subject to HUD’s requirement regarding subsidy layering.”).
2. Determining a percentage of units that may be project based at a development, up to 100% of units. (As authorized under Attachment C. Section B. Part 1. b. vi. (authorizing the provision of HCV assistance or project-based assistance alone or in conjunction with other provide or public sources of assistance) and vii. (authorizing the use of MTW funds for the development of new units for people of low income); and Part 1. c. (authorizing these activities to be carried out by the Agency, of by an entity, agent, instrumentality of the agency or a partnership, grantee, contractor or other appropriate party or entity); Attachment C. Section D. 7. c. (authorizing the agency to adopt a reasonable policy for project basing Section 8 assistance) and Attachment D Section D. 1. c. (authorizing HACP to determine Property eligibility criteria)).
3. Extending Eligibility for project based units to families with incomes up to 80% of AMI. (As authorized under Attachment C. Section B. Part 1. b. vi. and Part 1. c.; Attachment C. Section D. 7. (authorizing the agency to establish a project based voucher program) and Attachment D Section D. 1. a. (authorizing the agency to determine reasonable contract rents).
4. Acquiring units without prior HUD approval item needs to be added, with appropriate language, from MTW Plan amendment.

HACP submitted a full development proposal, including Rental Term Sheet, Pro Formas, Sources and Uses, schedules, Evidentiary documents, and other detailed project information to HUD’s Office of Public Housing Investments or other HUD office as directed for approval as part of the mixed finance approval process as per HUD’s protocol, and will ensure completion of a subsidy layering review. This process was completed and approved for Addison Phase II and Larimer/East Liberty Phase I in 2015

#### B. Relationship to Statutory Objectives

- This policy will expand housing choices for low and moderate income families by fostering the redevelopment of obsolete housing and replacing it with quality affordable housing including low income public housing units, and low income housing tax credit units; it will also provide expanded unit style options offering townhouses, as well as apartments where currently only walk-up apartments are available.
- This policy has the potential to improve the efficiency of federal expenditures by stabilizing the long term costs of operating and maintaining low-income housing properties, and leveraging other capital resources (low-income housing tax credits and private market debt, foundation grants, local government matching funds, etc.)

C. Anticipated Impacts

- This policy is expected to allow the redevelopment of obsolete properties to continue at a reasonable pace, resulting in improved living conditions and quality of life for residents, reduced costs for the HACP, increases in leveraged resources, improvement and investment in surrounding neighborhoods, reduced crime at redeveloped properties, increased housing choices for assisted families.

In 2015, HACP submitted a full development proposal to HUD for Addison Phase II and Larimer/East Liberty Phase I, as per standard protocols, utilizing several elements authorized by this initiative. Late in 2015 these were approved, utilizing several aspects of the Financing Program. Construction was completed on all Addison Phase I units in 2015, and is fully occupied.

In 2015, a low-income housing tax credit application was submitted and awarded for Addison Phase III. The Addison Phase II low-income housing tax credit application submitted in 2014 was awarded in 2015. HACP completed requests for proposals for PBV units for Addison Phase III through a noncompetitive process saving over \$9,000. Also in 2015, HACP engaged a firm to begin Master Planning services for the development of the new Northview Midrise, and has completed the Master Planning process for the redevelopment of Allegheny Dwellings which are expected to utilize elements of the Step Up To Market Financing Program.

| Unit of Measurement   | Baseline | 2014 Outcome | 2015 Outcome |
|---|----------|--------------|--------------|
| CE#1: Agency Cost Savings: Total Cost of Task in dollars                    | 0        | 9,354        | 9,354        |
| CE#2: Staff Time Savings: Total time to complete task in staff hours        | 0        | 274.5        | 274.5        |
| CE#4: Increase in Resources Leveraged: Amount of funds leveraged in dollars | 0        | 0            | \$20,000     |

\*NOTE: Addison Phase II and Larimer/East Liberty Phase I closed in 2015. Tax credit equity of \$8,000,000 leveraged from Addison Phase II was awarded in 2015. Tax credit equity of \$12,000,000 from Larimer/East Liberty Phase I was awarded in 2015.

HUD Standard Metrics - Housing Choice

| Unit of Measurement  | Baseline | 2014 Benchmark | 2014 Outcome | 2015 Benchmark | 2015 Outcome |
|--|----------|----------------|--------------|----------------|--------------|
| HC#1: Additional Units of Housing Made Available: Number of new units made available to households at or | 0        | 164            | 118          | n/a            | 50           |

|  |   |     |     |     |    |
|--|---|-----|-----|-----|----|
| below 80% AMI  |   |     |     |     |    |
| HC#5: Increase in Resident Mobility: Number of households able to move to a better unit and/or neighborhood of opportunity | 0 | 164 | 118 | n/a | 50 |
| HC#6: Increase in Homeownership Opportunities: Number of households that purchased a home                                  | 0 | 0   | 4   | 10  | 11 |

NOTE #1: Benchmarks listed above are for Addison Phase 1. Baselines and benchmarks were not yet established for Larimer Redevelopment.

This activity is authorized by the Moving To Work Agreement, Attachment C. Section B. 1 and Section D. 7., and Attachment D. Section B. 1. and Section D. 1. ;

**B. Not Yet Implemented Activities**

HACP does not currently have any approved but not yet implemented activities.

**C. On-Hold Activities**

HACP activities that could be considered as ‘on hold’ are actually subsets of implemented activities. They are as follows:

2. Exception Payment Standard Areas. Originally approved in 2004 as part of a larger approval on Exception payment standards, HACP suspended its Exception Payment Standard Area in 2007 in order to reduce costs and streamline administration. Depending on future funding, and changes to the local market, HACP may develop new exception payment standard areas to increase housing choices for voucher families. HACP does not currently have a plan or timeline for re-implementation due to uncertainties in near and long-term future funding.

**D. Closed Out Activities**

Since entering the Moving To Work Program in 2000, HACP has also instituted a number of Moving To Work initiatives that in 2014 no longer require specific Moving To Work Authority. Some of those initiatives are:

1. Establishment of Site Based Waiting Lists. Closed out prior to execution of the Standard Agreement as Moving To Work authority was no longer required for this activity.
2. Establishment of a variety of local waiting list preferences, including a working/elderly/disabled preference and a special working preference for scattered site units. Closed out prior to execution of the Standard Agreement as Moving To Work authority was no longer required for this activity.

3. Modified Rent Reasonableness Process. Closed out prior to execution of the Standard Agreement as Moving To Work authority was no longer required for this activity.
4. Transition to Site Based Management and Asset Management, including Site Based Budgeting and Accounting. Closed out prior to execution of the Standard Agreement as Moving To Work authority was no longer required for this activity.

### **Other Activities**

Several activities that utilized Moving To Work Authority, but are not specified as specific initiatives waiving specific regulations, were previously included in the initiative section but no longer require that separate listing. They are as follows:

- Use of Block Grant Funding Authority to support Development and Redevelopment, Enhanced and Expanded Family Self-sufficiency and related programming, and the HACP MTW Homeownership Program.
  - Originally approved with the initial Moving To Work Program and expanded to include homeownership and resident service programs in subsequent years, HACP continues to use Moving To Work block grant funding to support its Moving To Work Initiatives. Additional information on the use of Single Fund block grant authority is included in other sections of this MTW Plan, particularly Section V. on Sources and Uses of funds.
- Energy Performance Contracting
  - Under HACP's Moving To Work Agreement, HACP may enter into Energy Performance Contracts (EPC) without prior HUD approval. HACP will continue its current EPC, executed in 2008, to reduce costs and improve efficient use of federal funds.
  - HACP's current EPC included installation of water saving measures across the authority, installation of more energy efficient lighting throughout the authority, and installation of geo-thermal heating and cooling systems at select communities. It was completed in 2010, with final payments made in 2011. Monitoring and Verification work began in 2011, with the first full Monitoring and Verification report completed for the 2012 year. HACP's objectives include realizing substantial energy cost savings. HACP reports on the EPC in the MTW Annual Report.
- Establishment of a Local Asset Management Program.
  - In 2004, prior to HUD's adoption of a site based asset management approach to public housing operation and management, HACP embarked on a strategy to transition its centralized management to more decentralized site-based management capable of using an asset management approach. During HACP's implementation, HUD adopted similar policies and requirements for all Housing Authorities. Specific elements of HACP's Local Asset Management Program were approved in 2010, as described in the Appendix, Local Asset Management

Program. HACP will continue to develop and refine its Local Asset Management Program to reduce costs and increase effectiveness.

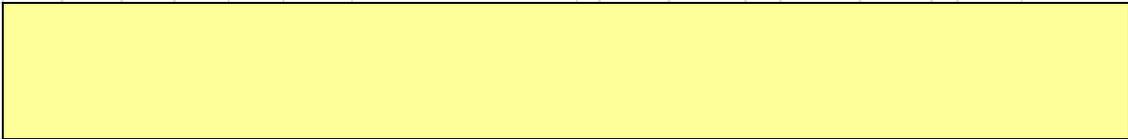
|  |  |
|--|--|
| <b>Annual MTW Report</b>   |  |
| <b>V.3.Report.Sources and Uses of MTW Funds</b>  |  |
| <b>A. MTW Report: Sources and Uses of MTW Funds</b>  |  |
| <b>Actual Sources and Uses of MTW Funding for the Fiscal Year</b>  |  |
| PHAs shall submit their unaudited and audited information in the prescribed FDS format through the Financial Assessment System - PHA (FASPHA), or its successor system   |  |
| <b>Describe the Activities that Used Only MTW Single Fund Flexibility</b>  |  |
| <p>HACP had budgeted to utilize its single fund flexibility to direct funding from the HCVP and Low Income Public Housing programs to support the authority's Moving to Work initiatives and other activities. This included budgeting \$17,705,784 towards development, \$17,163,656 for modernization, protective services and resident services. During 2015 the Authority used \$17,910,174 from MTW Section 8 and \$1,422,291 from Public Housing . The MTW funds used to support the development deals at Northview Mid-Rise and Larimer came to \$8,080,784. The amount of \$3,038,882 was used to support the Energy Performance Contract, Extraordinary expenses and Administrative costs. Furthermore, \$3,089,693 was used to fund various modernization projects. Lastly, \$3,175,848 was spent on protective services and \$1,947,258 on resident services.</p> |  |
| <b>V.4.Report.Local Asset Management Plan</b>  |  |
| <b>B. MTW Report: Local Asset Management Plan</b>  |  |
| Has the PHA allocated costs within statute during the plan year?   | Yes <input type="checkbox"/> or <input type="checkbox"/> |
| Has the PHA implemented a local asset management plan (LAMP)?  | Yes <input type="checkbox"/> or <input type="checkbox"/> |
| If the PHA is implementing a LAMP, it shall be described in an appendix every year beginning with the year it is proposed and approved. It shall explain the deviations from existing HUD requirements and should be updated if any changes are made to the LAMP.  |  |
| Has the PHA provided a LAMP in the appendix?   | Yes <input type="checkbox"/> or <input type="checkbox"/> |
|  |  |

V.5.Report.Unspent MTW Funds

C. MTW Report: Commitment of Unspent Funds

In the table below, provide planned commitments or obligations of unspent MTW funds at the end of the PHA's fiscal year.

| Account                             | Planned Expenditure                  | Obligated Funds | Committed Funds |
|-------------------------------------|--------------------------------------|-----------------|-----------------|
| 1499                                | Larimer Phase II Development         | \$7,080,784     | \$13,905,784    |
| 1499                                | Northview Mid-Rise Development       | \$1,000,000     | \$1,000,000     |
| 1499                                | Addison Phase III Development        | \$0             | \$2,800,000     |
| 1460                                | Authority Wide Modernization         | \$3,018,344     | \$11,179,065    |
| 1475                                | Authority Wide Vehicles              | \$71,349        | \$71,349        |
| 1430                                | Administrative Consulting Contract   | \$238,642       | \$540,260       |
| 4610                                | Extraordinary Maintenance            | \$107,123       | \$107,123       |
| 1408                                | Resident Services                    | \$1,947,258     | \$1,984,591     |
| 1408                                | Protective Services                  | \$3,175,848     | \$4,000,000     |
| 1460                                | Energy Performance Contact Principal | \$2,693,117     | \$18,483,277    |
| Total Obligated or Committed Funds: |                                      | \$19,332,465    | \$54,071,449    |



*Note: Written notice of a definition of MTW reserves will be forthcoming. Until HUD issues a methodology for defining reserves, including a definition of obligations and commitments, MTW agencies are not required to complete this section.*

## Section VI. Administrative

A. Description of any HUD reviews, audits, or physical inspection issues that require action to address the issue.

- HACP takes appropriate action on any REAC identified Physical Condition issues.
- HACP had no other HUD reviews or audits requiring action by HACP at the end of 2014.

B. Results of PHA-directed evaluations of the demonstration.

- Please see Appendices IV and V for HACP directed third-party evaluations of HACP MTW Modified Rent Policy, and HACP Homeownership Program.

C. Certification that HACP has met the statutory requirements of the MTW Demonstration.

HACP hereby certifies that it has met the Statutory Requirements of 1) assuring that at least 75% of the families assisted by the Agency are very low-income families; 2) continuing to assist substantially the same total number of eligible low-income families as would have been served absent the demonstration; and 3) maintaining a comparable mix of families by family size, as would have been served or assisted had the amounts not been used under the demonstration.

## **Section VII. Sources and Uses of Funding**

### A. B. C. Planned Sources and Uses of Funds (MTW, Non-MTW, State and Local)

Please see the charts at the end of this Chapter, which show sources and uses of MTW and non-MTW funds.

### D. Deviations in Cost Allocation and Fee For Service Approach - Approach to Asset Management

In implementing its Moving To Work Initiatives, HACP's Local Asset Management Approach includes some deviations in cost allocation and fee for service approaches, as well as other variations to HUD asset management regulations. Because these all relate to accounting and sources and uses of funds, the information on HACP's Local Asset Management Program and Site Based Budgeting and Accounting is included in this section.

#### Approach to Asset Management

HACP followed HUD's guidelines and asset management requirements including AMP-based financial statements. HACP retained the HUD chart of accounts and the HUD crosswalk to the FDS. Under the local asset management program, HACP retained full authority to move its MTW funds and project cash flow among projects without limitation. The MTW single fund flexibility, after payment of all program expenses, was utilized to direct funds to the HACP development program, wherein HACP is worked to redevelop its aging housing stock.

HACP's plan is consistent with HUD's ongoing implementation of project based budgeting and financial management, and project-based management. Operations of HACP sites were coordinated and overseen by Property Managers on a daily basis, who oversaw the following management and maintenance tasks: maintenance work order completion, rent collection, leasing, community and resident relations, security, unit turnover, capital improvements planning, and other activities to efficiently operate the site. HACP Property Managers received support in conducting these activities from the Central Office departments, including operations, human resources, modernization, Resident Self-Sufficiency, Finance, and others.

HACP Property Managers developed and monitored property budgets with support from the HACP Finance staff. Budget training was held to support the budget development process. HACP continues to develop and utilize project-based budgets for all of its asset management projects (AMPs). Property managers have the ability to produce monthly income and expense statements and use these as tools to efficiently manage their properties. All direct costs were directly charged to the maximum extent possible to the AMPs.

HACP utilized a fee for Service and frontline methodology as outlined in 24 CFR 990 and in the HACP Operating Fund Rule binder, which describes the methodology used for allocating its expenses.

## HACP 2015 Moving To Work Annual Report

### New Initiatives and Deviations from General Part 990 Requirements

During FY2015 the authority undertook the following initiatives to improve the effectiveness and efficiency of the Authority:

- HACP maintained the spirit of the HUD site based asset management model. It retained the COCC and site based income and expenses in accordance with HUD guidelines, but eliminated inefficient accounting and/or reporting aspects that yielded little or no value from the staff time spent or the information produced.
- HACP established and maintained an MTW cost center that held all excess MTW funds not allocated to the sites or to the voucher program. This cost center and all activity therein was reported under the newly created Catalog of Federal Domestic Assistance number for the MTW cost center. This cost center also held some of the large balance sheet accounts of the authority as a whole. Most notably most of the banking and investment accounts were maintained within the MTW cost center.
- The MTW cost center essentially represented a mini HUD. All subsidy dollars were initially received and resided in the MTW cost center. Funding was allocated annually to sites based upon their budgetary needs as represented and approved in their annual budget request. Sites were monitored both as to their performance against the budgets and the corresponding budget matrix. They were also monitored based upon the required PUM subsidy required to operate the property. HACP maintained a budgeting and accounting system that gave each property sufficient funds to support annual operations, including all COCC fee and frontline charges. Actual revenues included those provided by HUD and allocated by HACP based on annual property-based budgets. As envisioned, all block grants were deposited into a single general ledger fund.
- Site balance sheet accounts were limited to site specific activity, such as fixed assets, tenant receivables, tenant security deposits, unrestricted net asset equity, which were generated by operating surpluses, and any resulting due to/due from balances. Some balance sheet items still reside in the MTW fund accounts, and include such things as workers compensation accrual, investments, A/P accruals, payroll accruals, payroll tax accruals, employee benefit accruals, Family Self-sufficiency escrow balances, etc. The goal of this approach was to minimize extraneous accounting, and reduce unnecessary administrative burden of performing monthly allocation entries for each, while maintaining fiscal integrity.
- All cash and investments remain in the MTW cost center during the year. Sites had a due to/due from relationship with the MTW cost center that represented cash until the authority performed its year-end accounting entries and allocated to each site a share of the cash and investments. This is a one-time entry each year for Financial Data Schedule presentation purposes and is immediately reversed on the first day of the next calendar year. This saves the authority the time and effort of breaking out the cash and investments monthly on the General Ledger.

## HACP 2015 Moving To Work Annual Report

- All frontline charges and fees to the central office cost center were reflected on the property reports, as required. The MTW ledger did not pay fees directly to the COCC. As allowable under the asset management model, however, any subsidy needed to pay legacy costs, such as pension or terminal leave payments, were transferred from the MTW ledger or the projects to the COCC.
- The Energy Performance Contract accounting was broken out to the sites. This included all assets, liabilities, debt service costs, and cost savings.
- No inventory exists on the books at the sites. A just in time system has been implemented. This new inventory system has been operational and more efficient, both in time and expense.
- Central Operations staff, many of whom performed direct frontline services such as home ownership, self-sufficiency, and/or relocation, were frontlined appropriately to the low income public housing and/or Section 8 Housing Choice Voucher programs, as these costs are 100 percent low rent and/or Section 8.
- Actual Section 8 amounts needed for housing assistance payments and administrative costs were allotted to the Housing Choice Voucher program, including sufficient funds to pay asset management fees. Block grant reserves and their interest earnings were not commingled with Section 8 operations, enhancing the budget transparency. Section 8 program managers have become more responsible for their budgets in the same manner as public housing site managers.
- Information Technology costs were directly charged to the programs benefiting from them, e.g. the LIPH module cost was directly charged to AMPs; all indirect IT costs were charged to all cost centers based on a "per workstation" charge rather than a Fee for Service basis. This allowed for equitable allocation of the expense while saving time and effort on allocating out each invoice at the time of payment.
- MTW initiative funded work, such as contributions to the HACP development program, also funded a 10 percent administration budget. This is done in order to adequately and commensurately fund the administrative work to support the MTW initiatives. The authority used MTW initiative flexibility to fund various modernization projects during FY 2015. For each modernization invoice a 10 percent fee was paid to the COCC.

## HACP 2015 Moving To Work Annual Report

### Flexible use of Phase in of Management Fees –

As a component of its local asset management plan, the Housing Authority of the City of Pittsburgh elected to make use of phase-in management fees for 2010 and beyond. The HUD prescribed management fees for the HACP are \$57.17 PUM. HACP proposed and received approval on the following phase-in schedule and approach:

### Schedule of Phased-in Management Fees for HACP –

|   |         |
|---|---------|
| 2008 (Initial Year of Project Based Accounting) | \$91.94 |
| 2009 (Year 2)                                   | \$84.99 |
| 2010 (Year 3)                                   | \$78.03 |
| 2011 (Year 4 and beyond )                       | \$78.03 |

The above numbers reflect 2011 dollars.

HACP has diligently worked to reduce its staffing and expenditure levels and reduce unnecessary COCC costs; it continues to do so, in an effort to cut costs further, in order to comply with the COCC cost provisions of the operating fund rule. It is also working to increase its management fee revenues in the COCC, through aggressive, and we believe, achievable, development and lease up efforts in both the public housing and leased housing programs. As such, HACP is continuing to lock in at current level phase in fees as approved in the 2015 Annual Plan. HACP, as indicated above, has made cuts to its COCC staffing, in virtually every department. It has reduced staff, reduced contractors, cut administration, and made substantial budget cuts to move toward compliance with the fee revenue requirements. Nevertheless, we are not yet able to meet the PUM fee revenue target until we grow our portfolio size. Fortunately, a major component of the HACP strategic plan is to grow its public housing occupancy, both through mixed finance development and management, as well as in house management, so as to better serve our low income community and to recapture some of the fees lost to demolition. This requires central office staff, talent and expense. To make this plan work, i.e. to assist in the redevelopment of the public housing portfolio, we will need the continued benefit of the locked in level of phase in management fees.

As further support for this fee lock, we should note that HACP has historically had above normal central office costs driven by an exceedingly high degree of unionization. HACP has over a half dozen different collective bargaining units; this has driven up costs in all COCC departments, especially in Human Resources and Legal. In addition, HACP is governed by City laws that require City residency for all its employees. This has driven up the cost to attract and retain qualified people throughout the agency. This is especially the case in the high cost COCC areas, where HACP has had to pay more to attract the necessary talent to perform these critical functions.

The phase in fee flexibility, coupled with HACP's planned growth in public housing occupancy and increases in voucher utilization, will enable HACP's COCC to become sustainable in the

## HACP 2015 Moving To Work Annual Report

long term and fully compliant with the operating fund rule. It should also be noted that this fee flexibility will come from HACP's MTW funds, and will require no additional HUD funding. This flexibility is the essence of the MTW program, and will go a long way towards enabling HACP to successfully undertake and complete its aggressive portfolio restructuring efforts.

### E. Use of Single Fund Flexibility

HACP had budgeted to utilize its single fund flexibility to direct funding from the HCVP and Low Income Public Housing programs to support the authority's Moving to Work initiatives and other activities. This included budgeting \$17,705,784 towards development, \$17,163,656 for modernization, protective services and resident services. During 2015 the Authority used \$17,910,174 from MTW Section 8 and \$1,422,291 from Public Housing. The MTW funds used to support the development deals at Northview Mid-Rise and Larimer came to \$8,080,784. The amount of \$3,038,882 was used to support the Energy Performance Contract, Extraordinary expenses and Administrative costs. Furthermore, \$3,089,693 was used to fund various modernization projects. Lastly, \$3,175,848 was spent on protective services and \$1,947,258 on resident services.

**Table A-1 – Unit Sizes of Households Served, Jan. 1, 2014 - Jan. 1, 2016****Public Housing**

|                | Eff/1 Bedroom |      |             | 2 Bedroom |      |             | 3 Bedroom |      |            | 4 Bedroom |      |            | 5+ Bedrooms |      |           | Total |      |             |
|----------------|---------------|------|-------------|-----------|------|-------------|-----------|------|------------|-----------|------|------------|-------------|------|-----------|-------|------|-------------|
|                | 1/14          | 1/15 | 1/16        | 1/14      | 1/15 | 1/16        | 1/14      | 1/15 | 1/16       | 1/14      | 1/15 | 1/16       | 1/14        | 1/15 | 1/16      | 1/14  | 1/15 | 1/16        |
| <b>Family</b>  | 818           | 778  | <b>821</b>  | 964       | 831  | <b>822</b>  | 856       | 796  | <b>785</b> | 190       | 190  | <b>194</b> | 31          | 28   | <b>31</b> | 2859  | 2623 | <b>2653</b> |
| <b>Elderly</b> | 838           | 829  | <b>779</b>  | 249       | 229  | <b>215</b>  | 92        | 92   | <b>80</b>  | 16        | 15   | <b>14</b>  | 2           | 2    | <b>2</b>  | 1197  | 1167 | <b>1090</b> |
| <b>Total</b>   | 1656          | 1607 | <b>1600</b> | 1213      | 1060 | <b>1037</b> | 948       | 888  | <b>865</b> | 206       | 205  | <b>208</b> | 33          | 30   | <b>33</b> | 4056  | 3790 | <b>3743</b> |

**HCV (Section 8)**

|                | Eff/1 Bedroom |      |             | 2 Bedroom |      |             | 3 Bedroom |      |             | 4 Bedroom |      |            | 5+ Bedrooms |      |           | Total |        |             |
|----------------|---------------|------|-------------|-----------|------|-------------|-----------|------|-------------|-----------|------|------------|-------------|------|-----------|-------|--------|-------------|
|                | 1/14          | 1/15 | 1/16        | 1/14      | 1/15 | 1/16        | 1/14      | 1/15 | 1/16        | 1/14      | 1/15 | 1/16       | 1/14        | 1/15 | 1/16      | 1/14  | 1/15   | 1/16        |
| <b>Family</b>  | 1181          | 1117 | <b>1285</b> | 1583      | 1572 | <b>1680</b> | 1284      | 1288 | <b>1331</b> | 248       | 239  | <b>228</b> | 49          | 51   | <b>45</b> | 4345  | 4267   | <b>4569</b> |
| <b>Elderly</b> | 510           | 528  | <b>530</b>  | 158       | 163  | <b>150</b>  | 41        | 44   | <b>35</b>   | 5         | 6    | <b>5</b>   | 1           | 1    | <b>1</b>  | 715   | 742    | <b>721</b>  |
| <b>Total</b>   | 1691          | 1645 | <b>1815</b> | 1741      | 1735 | <b>1830</b> | 1325      | 1332 | <b>1366</b> | 253       | 245  | <b>233</b> | 50          | 52   | <b>46</b> | 5060  | 5009** | <b>5290</b> |

**Total Public Housing and HCV (Section 8)**

|                | Eff/1 Bedroom |      |             | 2 Bedroom |      |             | 3 Bedroom |      |             | 4 Bedroom |      |            | 5+ Bedrooms |      |           | Total |        |             |
|----------------|---------------|------|-------------|-----------|------|-------------|-----------|------|-------------|-----------|------|------------|-------------|------|-----------|-------|--------|-------------|
|                | 1/14          | 1/15 | 1/16        | 1/14      | 1/15 | 1/16        | 1/14      | 1/15 | 1/16        | 1/14      | 1/15 | 1/16       | 1/14        | 1/15 | 1/16      | 1/14  | 1/15   | 1/16        |
| <b>Family</b>  | 1999          | 1895 | <b>2106</b> | 2547      | 2403 | <b>2502</b> | 2140      | 2084 | <b>2116</b> | 438       | 429  | <b>422</b> | 80          | 79   | <b>76</b> | 7204  | 6890   | <b>7222</b> |
| <b>Elderly</b> | 1348          | 1357 | <b>1309</b> | 407       | 392  | <b>365</b>  | 133       | 136  | <b>115</b>  | 21        | 21   | <b>19</b>  | 3           | 3    | <b>3</b>  | 1912  | 1909   | <b>1811</b> |
| <b>Total</b>   | 3347          | 3252 | <b>3415</b> | 2954      | 2795 | <b>2867</b> | 2273      | 2220 | <b>2231</b> | 459       | 450  | <b>441</b> | 83          | 82   | <b>79</b> | 9116  | 8799** | <b>9033</b> |

**HACP - LIPH and Section 8 Occupancy 01/01/01 to 01/01/16**

|                     | 1/1/2001    | 1/1/2002    | 1/1/2003    | 1/1/2004    | 1/1/2005     | 1/1/2006     | 1/1/2007     | 1/1/2008    | 1/1/2009    | 1/1/2010    | 1/1/2011    | 1/1/2012    | 1/1/2013    | 1/1/2014     | 1/1/2015      | 1/1/2016    |
|---------------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|---------------|-------------|
| <b>LIPH Family</b>  | 3813        | 3489        | 3612        | 3573        | 3437         | 3280         | 3135         | 3017        | 2919        | 2879        | 2934        | 2766        | 2823        | 2859         | 2623          | 2653        |
| <b>LIPH Elderly</b> | 1433        | 1355        | 1313        | 1248        | 1219         | 1218         | 1269         | 1211        | 1195        | 1132        | 1100        | 1205        | 1182        | 1197         | 1167          | 1090        |
| <b>HCV Family</b>   | 3440        | 3891        | 3973        | 4496        | 4786         | 6076         | 5649         | 4954        | 4651        | 4463        | 4538        | 4739        | 4431        | 4345         | 4267          | 4569        |
| <b>HCV Elderly</b>  | 459         | 472         | 555         | 581         | 560          | 592          | 588          | 609         | 596         | 600         | 672         | 691         | 711         | 715          | 742           | 721         |
| <b>Totals</b>       | <b>9145</b> | <b>9207</b> | <b>9453</b> | <b>9898</b> | <b>10002</b> | <b>11166</b> | <b>10641</b> | <b>9791</b> | <b>9361</b> | <b>9092</b> | <b>9244</b> | <b>9401</b> | <b>9147</b> | <b>9116*</b> | <b>8799**</b> | <b>9033</b> |

Source: HACP MIS archived rent roll profile of 1/1/01, 1/1/02, 1/1/03, 1/1/04, 1/1/05, 1/1/06, 1/1/07, 1/1/08, 1/1/09, 1/1/10, 1/1/11, 1/1/12, 1/1/13, 1/1/14, 1/1/15, 1/1/16

\* 187 HCV Port - Outs Are Not Included Within These Totals Due to Unavailable Bedroom Sizes

\*\* 289 HCV Port - Outs Are Not Included Within These Totals Due to Unavailable Bedroom Sizes.

**Table A -2 – Income of Households Served, Jan. 1, 2014 - Jan. 1, 2015- Jan. 1, 2016**

**Public Housing**

|                | Under 30% AMI |        |             | 30% to 50% AMI |        |            | 51% to 80% AMI |        |            | 81% or Greater |        |           | Total  |        |             |
|----------------|---------------|--------|-------------|----------------|--------|------------|----------------|--------|------------|----------------|--------|-----------|--------|--------|-------------|
|                | 1/1/14        | 1/1/15 | 1/1/16      | 1/1/14         | 1/1/15 | 1/1/16     | 1/1/14         | 1/1/15 | 1/1/16     | 1/1/14         | 1/1/15 | 1/1/16    | 1/1/14 | 1/1/15 | 1/1/16      |
| <b>Number</b>  | 3022          | 2858   | <b>2833</b> | 701            | 621    | <b>590</b> | 257            | 239    | <b>258</b> | 76             | 72     | <b>62</b> | 4056   | 3790   | <b>3743</b> |
| <b>Percent</b> | 75%           | 75%    | <b>75%</b>  | 17%            | 16%    | <b>15%</b> | 6%             | 6%     | <b>7%</b>  | 2%             | 2%     | <b>2%</b> | 100%   | 100%   | <b>100%</b> |

**HCV (Section 8)**

|                | Under 30% AMI |        |             | 30% to 50% AMI |        |            | 51% to 80% AMI |        |            | 81% or Greater |        |           | Totals |        |             |
|----------------|---------------|--------|-------------|----------------|--------|------------|----------------|--------|------------|----------------|--------|-----------|--------|--------|-------------|
|                | 1/1/14        | 1/1/15 | 1/1/16      | 1/1/14         | 1/1/15 | 1/1/16     | 1/1/14         | 1/1/15 | 1/1/16     | 1/1/14         | 1/1/15 | 1/1/16    | 1/1/14 | 1/1/15 | 1/1/16      |
| <b>Number</b>  | 3895          | 4344   | <b>4677</b> | 986            | 813    | <b>914</b> | 173            | 139    | <b>179</b> | 6              | 2      | <b>11</b> | 5060   | 5298   | <b>5781</b> |
| <b>Percent</b> | 77%           | 82%    | <b>81%</b>  | 19%            | 15%    | <b>16%</b> | 3%             | 3%     | <b>3%</b>  | 0%             | 0%     | <b>0%</b> | 100%   | 100%   | <b>100%</b> |

**Total Public Housing and HCV (Section 8)**

|                | Under 30% AMI |        |             | 30% to 50% AMI |        |             | 51% to 80% AMI |        |            | 81% or Greater |        |           | Totals |        |             |
|----------------|---------------|--------|-------------|----------------|--------|-------------|----------------|--------|------------|----------------|--------|-----------|--------|--------|-------------|
|                | 1/1/14        | 1/1/15 | 1/1/16      | 1/1/14         | 1/1/15 | 1/1/16      | 1/1/14         | 1/1/15 | 1/1/16     | 1/1/14         | 1/1/15 | 1/1/16    | 1/1/14 | 1/1/15 | 1/1/16      |
| <b>Number</b>  | 6917          | 7202   | <b>7510</b> | 1687           | 1434   | <b>1504</b> | 430            | 378    | <b>437</b> | 82             | 74     | <b>73</b> | 9116   | 9088   | <b>9524</b> |
| <b>Percent</b> | 76%           | 79%    | <b>79%</b>  | 19%            | 16%    | <b>16%</b>  | 5%             | 4%     | <b>5%</b>  | 0%             | 0%     | <b>0%</b> | 100%   | 100%   | <b>100%</b> |

Source: HACP MIS archived rent roll profile of 1/1/01, 1/1/13, 1/1/14, 1/1/15, 1/1/16

**Table A-3 – Pittsburgh Area (Allegheny County) Median Family Income Levels by Family Size - 2015**

|  | 1 Person | 2 Persons | 3 Persons | 4 Persons | 5 Persons | 6 Persons |
|--|----------|-----------|-----------|-----------|-----------|-----------|
| 30% of Median                              | \$14,600 | \$16,700  | \$20,090  | \$24,250  | \$28,410  | \$32,570  |
| 50% of Median                              | \$24,350 | \$27,800  | \$31,300  | \$34,750  | \$37,550  | \$40,350  |
| 80% of Median                              | \$38,950 | \$44,500  | \$50,050  | \$55,600  | \$60,050  | \$64,500  |
| HUD Metro FMR Area: Median Income \$69,700 |          |           |           |           |           |           |

**Table A-4– Race / Ethnicity of Households Served, Jan. 1, 2001 - Jan. 1, 2015 - Jan. 1, 2016****Public Housing**

|                | Black  |        |             | White  |        |            | Hispanic |        |           | Asian  |        |           | Other  |        |           | Total  |        |             |
|----------------|--------|--------|-------------|--------|--------|------------|----------|--------|-----------|--------|--------|-----------|--------|--------|-----------|--------|--------|-------------|
|                | 1/1/01 | 1/1/15 | 1/1/16      | 1/1/01 | 1/1/15 | 1/1/16     | 1/1/01   | 1/1/15 | 1/1/16    | 1/1/01 | 1/1/15 | 1/1/16    | 1/1/01 | 1/1/15 | 1/1/16    | 1/1/01 | 1/1/15 | 1/1/16      |
| <b>Family</b>  | 3636   | 2394   | <b>2398</b> | 165    | 190    | <b>203</b> | 2        | 30     | <b>36</b> | 2      | 5      | <b>7</b>  | 8      | 4      | <b>9</b>  | 3813   | 2623   | <b>2653</b> |
| <b>Elderly</b> | 1008   | 990    | <b>930</b>  | 399    | 159    | <b>144</b> | 22       | 15     | <b>13</b> | 1      | 2      | <b>13</b> | 3      | 1      | <b>2</b>  | 1433   | 1167   | <b>1090</b> |
| <b>Total</b>   | 4644   | 3384   | <b>3328</b> | 564    | 349    | <b>347</b> | 24       | 45     | <b>49</b> | 3      | 7      | <b>20</b> | 11     | 5      | <b>11</b> | 5246   | 3790   | <b>3743</b> |

**HCV (Section 8)**

|                | Black  |        |             | White  |        |             | Hispanic |        |           | Asian  |        |           | Other  |        |           | Total  |        |             |
|----------------|--------|--------|-------------|--------|--------|-------------|----------|--------|-----------|--------|--------|-----------|--------|--------|-----------|--------|--------|-------------|
|                | 1/1/01 | 1/1/15 | 1/1/16      | 1/1/01 | 1/1/15 | 1/1/16      | 1/1/01   | 1/1/15 | 1/1/16    | 1/1/01 | 1/1/15 | 1/1/16    | 1/1/01 | 1/1/15 | 1/1/16    | 1/1/01 | 1/1/15 | 1/1/16      |
| <b>Family</b>  | 2336   | 3706   | <b>4131</b> | 800    | 771    | <b>813</b>  | 7        | 40     | <b>53</b> | 3      | 14     | <b>13</b> | 294    | 12     | <b>27</b> | 3440   | 4543   | <b>5037</b> |
| <b>Elderly</b> | 183    | 502    | <b>514</b>  | 265    | 236    | <b>212</b>  | 2        | 7      | <b>6</b>  | 1      | 6      | <b>6</b>  | 8      | 4      | <b>7</b>  | 459    | 755    | <b>744</b>  |
| <b>Total</b>   | 2519   | 4208   | <b>4645</b> | 1065   | 1007   | <b>1025</b> | 9        | 47     | <b>59</b> | 4      | 20     | <b>19</b> | 302    | 16     | <b>34</b> | 3899   | 5298   | <b>5781</b> |

**Total Public Housing and HCV (Section 8)**

|                | Black  |        |             | White  |        |             | Hispanic |        |            | Asian  |        |           | Other  |        |           | Total  |        |             |
|----------------|--------|--------|-------------|--------|--------|-------------|----------|--------|------------|--------|--------|-----------|--------|--------|-----------|--------|--------|-------------|
|                | 1/1/01 | 1/1/15 | 1/1/16      | 1/1/01 | 1/1/15 | 1/1/16      | 1/1/01   | 1/1/15 | 1/1/16     | 1/1/01 | 1/1/15 | 1/1/16    | 1/1/01 | 1/1/15 | 1/1/16    | 1/1/01 | 1/1/15 | 1/1/16      |
| <b>Family</b>  | 5972   | 6100   | <b>6529</b> | 965    | 961    | <b>1016</b> | 9        | 70     | <b>89</b>  | 5      | 19     | <b>20</b> | 302    | 16     | <b>36</b> | 7253   | 7166   | <b>7690</b> |
| <b>Elderly</b> | 1191   | 1492   | <b>1444</b> | 664    | 395    | <b>356</b>  | 24       | 22     | <b>19</b>  | 2      | 8      | <b>19</b> | 11     | 5      | <b>9</b>  | 1892   | 1922   | <b>1847</b> |
| <b>Total</b>   | 7163   | 7592   | <b>7973</b> | 1629   | 1356   | <b>1372</b> | 33       | 92     | <b>108</b> | 7      | 27     | <b>39</b> | 313    | 21     | <b>45</b> | 9145   | 9088   | <b>9537</b> |

Source: HACP MIS archived rent roll profile of 1/1/01, 1/1/15, 1/1/16

**Table A-5 – Unit Sizes Of Households Containing Disabled Residents – January 1, 2014 - January 1, 2015- January 1, 2016****Public Housing**

|                | Eff / 1 Bedroom |        |             | 2 Bedrooms |        |            | 3 Bedrooms |        |            | 4 Bedrooms |        |           | 5+ Bedrooms |        |           | Total  |        |             |
|----------------|-----------------|--------|-------------|------------|--------|------------|------------|--------|------------|------------|--------|-----------|-------------|--------|-----------|--------|--------|-------------|
|                | 1/1/14          | 1/1/15 | 1/1/16      | 1/1/14     | 1/1/15 | 1/1/16     | 1/1/14     | 1/1/15 | 1/1/16     | 1/1/14     | 1/1/15 | 1/1/16    | 1/1/14      | 1/1/15 | 1/1/16    | 1/1/14 | 1/1/15 | 1/1/16      |
| <b>Family</b>  | 603             | 588    | <b>628</b>  | 249        | 223    | <b>241</b> | 221        | 215    | <b>221</b> | 47         | 51     | <b>49</b> | 6           | 6      | <b>9</b>  | 1126   | 1083   | <b>1148</b> |
| <b>Elderly</b> | 635             | 515    | <b>479</b>  | 94         | 158    | <b>151</b> | 18         | 59     | <b>52</b>  | 6          | 9      | <b>8</b>  | 0           | 1      | <b>1</b>  | 753    | 742    | <b>691</b>  |
| <b>Total</b>   | 1238            | 1103   | <b>1107</b> | 343        | 381    | <b>392</b> | 239        | 274    | <b>273</b> | 53         | 60     | <b>57</b> | 6           | 7      | <b>10</b> | 1879   | 1825   | <b>1839</b> |

**HCV (Section 8)**

|                | Eff / 1 Bedroom |        |             | 2 Bedrooms |        |            | 3 Bedrooms |        |            | 4 Bedrooms |        |           | 5+ Bedrooms |        |          | Total  |        |             |
|----------------|-----------------|--------|-------------|------------|--------|------------|------------|--------|------------|------------|--------|-----------|-------------|--------|----------|--------|--------|-------------|
|                | 1/1/14          | 1/1/15 | 1/1/16      | 1/1/14     | 1/1/15 | 1/1/16     | 1/1/14     | 1/1/15 | 1/1/16     | 1/1/14     | 1/1/15 | 1/1/16    | 1/1/14      | 1/1/15 | 1/1/16   | 1/1/14 | 1/1/15 | 1/1/16      |
| <b>Family</b>  | 813             | 773    | <b>864</b>  | 477        | 462    | <b>453</b> | 248        | 247    | <b>238</b> | 59         | 56     | <b>55</b> | 6           | 6      | <b>6</b> | 1603   | 1544   | <b>1616</b> |
| <b>Elderly</b> | 398             | 414    | <b>408</b>  | 135        | 138    | <b>121</b> | 34         | 33     | <b>25</b>  | 3          | 5      | <b>4</b>  | 1           | 1      | <b>1</b> | 571    | 591    | <b>559</b>  |
| <b>Total</b>   | 1211            | 1187   | <b>1272</b> | 612        | 600    | <b>574</b> | 282        | 280    | <b>263</b> | 62         | 61     | <b>59</b> | 7           | 7      | <b>7</b> | 2174   | 2135*  | <b>2175</b> |

**Total Public Housing and HCV (Section 8)**

|                | Eff / 1 Bedroom |        |             | 2 Bedrooms |        |            | 3 Bedrooms |        |            | 4 Bedrooms |        |            | 5+ Bedrooms |        |           | Total  |        |             |
|----------------|-----------------|--------|-------------|------------|--------|------------|------------|--------|------------|------------|--------|------------|-------------|--------|-----------|--------|--------|-------------|
|                | 1/1/14          | 1/1/15 | 1/1/16      | 1/1/14     | 1/1/15 | 1/1/16     | 1/1/14     | 1/1/15 | 1/1/16     | 1/1/14     | 1/1/15 | 1/1/16     | 1/1/14      | 1/1/15 | 1/1/16    | 1/1/14 | 1/1/15 | 1/1/16      |
| <b>Family</b>  | 1416            | 1361   | <b>1492</b> | 726        | 685    | <b>694</b> | 469        | 462    | <b>459</b> | 106        | 107    | <b>104</b> | 12          | 12     | <b>15</b> | 2729   | 2627   | <b>2764</b> |
| <b>Elderly</b> | 1033            | 929    | <b>887</b>  | 229        | 296    | <b>272</b> | 52         | 92     | <b>77</b>  | 9          | 14     | <b>12</b>  | 1           | 2      | <b>2</b>  | 1324   | 1333   | <b>1250</b> |
| <b>Total</b>   | 2449            | 2290   | <b>2379</b> | 955        | 981    | <b>966</b> | 521        | 554    | <b>536</b> | 115        | 121    | <b>116</b> | 13          | 14     | <b>17</b> | 4053   | 3960   | <b>4014</b> |

Source: HACP MIS rent roll profile of 01/1/12, 01/01/14, 01/01/15, 01/01/16

The HACP uses the definitions of disabilities used by the Social Security Administration. All households counted in Table A-5 are public housing or HCV (Section 8) households in which the leaseholder has a verified SSI disability lowering rent payments. Members of the family with disabilities who are not the designated head of household are not included.

\* Port-Outs Do Not Contain Bedroom Size

**Table A-6– Race / Ethnicity of Disabled Households Served - Jan. 1, 2014, Jan. 1, 2015, Jan. 1, 2016****Public Housing Disabled Households**

|                | Black  |        |        | White  |        |        | Hispanic |        |        | Asian  |        |        | Other  |        |        | Total  |        |        |
|----------------|--------|--------|--------|--------|--------|--------|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|                | 1/1/14 | 1/1/15 | 1/1/16 | 1/1/14 | 1/1/15 | 1/1/16 | 1/1/14   | 1/1/15 | 1/1/16 | 1/1/14 | 1/1/15 | 1/1/16 | 1/1/14 | 1/1/15 | 1/1/16 | 1/1/14 | 1/1/15 | 1/1/16 |
| <b>Elderly</b> | 633    | 625    | 590    | 101    | 101    | 87     | 14       | 13     | 11     | 3      | 2      | 11     | 2      | 1      | 2      | 753    | 742    | 691    |
| <b>Family</b>  | 938    | 925    | 975    | 170    | 143    | 150    | 15       | 12     | 16     | 1      | 2      | 3      | 2      | 1      | 4      | 1126   | 1083   | 1148   |
| <b>Total</b>   | 1571   | 1550   | 1565   | 271    | 244    | 237    | 29       | 25     | 27     | 4      | 4      | 14     | 4      | 2      | 6      | 1879   | 1825   | 1839   |

**HCV (Section 8) Disabled Households**

|                | Black  |        |        | White  |        |        | Hispanic |        |        | Asian  |        |        | Other  |        |        | Total  |        |        |
|----------------|--------|--------|--------|--------|--------|--------|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|                | 1/1/14 | 1/1/15 | 1/1/16 | 1/1/14 | 1/1/15 | 1/1/16 | 1/1/14   | 1/1/15 | 1/1/16 | 1/1/14 | 1/1/15 | 1/1/16 | 1/1/14 | 1/1/15 | 1/1/16 | 1/1/14 | 1/1/15 | 1/1/16 |
| <b>Elderly</b> | 367    | 397    | 395    | 193    | 192    | 171    | 4        | 5      | 4      | 5      | 3      | 4      | 2      | 4      | 6      | 571    | 601    | 578    |
| <b>Family</b>  | 1148   | 1166   | 1279   | 422    | 431    | 460    | 11       | 11     | 12     | 7      | 6      | 5      | 15     | 7      | 10     | 1603   | 1621   | 1766   |
| <b>Total</b>   | 1515   | 1563   | 1674   | 615    | 623    | 631    | 15       | 16     | 16     | 12     | 9      | 9      | 17     | 11     | 16     | 2174   | 2222   | 2344   |

**Total Race / Ethnicity of Disabled Households Served - Jan. 1, 2006**

|                | Black  |        |        | White  |        |        | Hispanic |        |        | Asian  |        |        | Other  |        |        | Total  |        |        |
|----------------|--------|--------|--------|--------|--------|--------|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|                | 1/1/14 | 1/1/15 | 1/1/16 | 1/1/14 | 1/1/15 | 1/1/16 | 1/1/14   | 1/1/15 | 1/1/16 | 1/1/14 | 1/1/15 | 1/1/16 | 1/1/14 | 1/1/15 | 1/1/16 | 1/1/14 | 1/1/15 | 1/1/16 |
| <b>Elderly</b> | 1000   | 1022   | 985    | 294    | 293    | 258    | 18       | 18     | 15     | 8      | 5      | 15     | 4      | 5      | 8      | 1324   | 1343   | 1269   |
| <b>Family</b>  | 2086   | 2091   | 2254   | 592    | 574    | 610    | 26       | 23     | 28     | 8      | 8      | 8      | 17     | 8      | 14     | 2729   | 2704   | 2914   |
| <b>Total</b>   | 3086   | 3113   | 3239   | 886    | 867    | 868    | 44       | 41     | 43     | 16     | 13     | 23     | 21     | 13     | 22     | 4053   | 4047   | 4183   |

Source: HACP MIS archived rent roll profile of 1/1/13, 1/1/14, 1/1/15, 1/1/16

Note: A Disabled Household is a public housing or HCV (Section 8) household in which the leaseholder has a verified SSI disability lowering rent payments. Disabled members of the family who are not the designated head of household are not included.

**Table A-7– Income of Disabled Households Served – Jan. 1, 2014 - Jan. 1, 2015- Jan. 1, 2016****Public Housing Disabled Households**

|                | Under 30% AMI |        |        | 30% to 50% AMI |        |        | 51% to 80% |        |        | 81% or Greater |        |        | Total  |        |        |
|----------------|---------------|--------|--------|----------------|--------|--------|------------|--------|--------|----------------|--------|--------|--------|--------|--------|
|                | 1/1/14        | 1/1/15 | 1/1/16 | 1/1/14         | 1/1/15 | 1/1/16 | 1/1/14     | 1/1/15 | 1/1/16 | 1/1/14         | 1/1/15 | 1/1/16 | 1/1/14 | 1/1/15 | 1/1/16 |
| <b>Number</b>  | 1510          | 1512   | 1519   | 283            | 240    | 239    | 75         | 69     | 74     | 11             | 4      | 7      | 1879   | 1825   | 1839   |
| <b>Percent</b> | 80%           | 83%    | 83%    | 15%            | 13%    | 13%    | 4%         | 4%     | 4%     | 1%             | 0%     | 0%     | 100%   | 100%   | 100%   |

**HCV (Section 8) Disabled Households**

|                | Under 30% AMI |        |        | 30% to 50% AMI |        |        | 51% to 80% |        |        | 81% or Greater |        |        | Total  |        |        |
|----------------|---------------|--------|--------|----------------|--------|--------|------------|--------|--------|----------------|--------|--------|--------|--------|--------|
|                | 1/1/14        | 1/1/15 | 1/1/16 | 1/1/14         | 1/1/15 | 1/1/16 | 1/1/14     | 1/1/15 | 1/1/16 | 1/1/14         | 1/1/15 | 1/1/16 | 1/1/14 | 1/1/15 | 1/1/16 |
| <b>Number</b>  | 1801          | 1926   | 2031   | 340            | 268    | 291    | 29         | 18     | 22     | 4              | 10     | 0      | 2174   | 2222   | 2344   |
| <b>Percent</b> | 83%           | 87%    | 87%    | 16%            | 12%    | 12%    | 1%         | 1%     | 1%     | 0%             | 0%     | 0%     | 100%   | 100%   | 100%   |

**Total Income (Public Housing and Section 8) of Disabled Households Served - Jan. 1, 2013 - Jan. 1, 2014 - Jan. 1, 2015**

|                | Under 30% AMI |        |        | 30% to 50% AMI |        |        | 51% to 80% |        |        | 81% or Greater |        |        | Total  |        |        |
|----------------|---------------|--------|--------|----------------|--------|--------|------------|--------|--------|----------------|--------|--------|--------|--------|--------|
|                | 1/1/14        | 1/1/15 | 1/1/16 | 1/1/14         | 1/1/15 | 1/1/16 | 1/1/14     | 1/1/15 | 1/1/16 | 1/1/14         | 1/1/15 | 1/1/16 | 1/1/14 | 1/1/15 | 1/1/16 |
| <b>Number</b>  | 3311          | 3438   | 3550   | 623            | 508    | 530    | 104        | 87     | 96     | 15             | 14     | 7      | 4053   | 4047   | 4183   |
| <b>Percent</b> | 82%           | 85%    | 85%    | 15%            | 13%    | 13%    | 3%         | 2%     | 2%     | 0%             | 0%     | 0%     | 100%   | 100%   | 100%   |

Note: A Disabled Household is a public housing or HCV (Section 8) household in which the leaseholder has a verified SSI disability lowering rent payments. Disabled members of the family who are not the designated head of household are not included.

### Housing Authority of the City of Pittsburgh

#### Energy Cost Avoidance Report

#### Energy Guarantee

September 2014 through August 2015



*Helping customers manage energy resources to improve financial performance*

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## Housing Authority of the City of Pittsburgh



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# Program Overview

## Measurement & Verification Services

Honeywell is pleased to provide this comprehensive report of your energy consumption. This report was processed using an industry-standard program based on proven and accepted engineering formulas for energy conservation and analysis.

**Service Contract Number:** 565-89-52029

**Baseline Period:** Calendar Yrs. 2004, 2005 & 2006

**Guarantee Period:** September 2011 - August 2023

**Guarantee Term:** 12 Years

**Report Preparation By:** Honeywell Energy Analysis Team  
**Contact:** Charlie Hanna, MVS  
 Karen Westlick, EA



| Buildings                     | Electric Acct #  | Gas Acct #      | Water Acct # |
|-------------------------------|------------------|-----------------|--------------|
| Addison Terrace               |                  | 2-0000-481-2216 | 201881       |
|                               |                  | 2-0000-387-0074 | 201882       |
|                               |                  |                 | 201883       |
| Bedford Dwellings             |                  | 0900608-210691  |              |
|                               |                  | 4578803-274077  |              |
| Arlington Heights             | 4000-004-642-001 | 0900608-196578  | 201494       |
| Allegheny Dwellings           |                  | 0900608-169042  | 201662       |
|                               |                  | 0900608-315595  | 201663       |
| Northview Heights & High Rise | 9000-001-979-001 | 0900608-422918  |              |
|                               |                  | 0900608-116176  | 201693       |
|                               |                  |                 | 201694       |
| Hamilton-Larimer              |                  | 0900608-421814  | 202112       |
| Pennsylvania-Bidwell          |                  | 0900608-280359  | 125461       |
| Pressley Street               |                  | 0900608-210020  | 137061       |
|                               |                  |                 | 137062       |

# Program Overview



| <b>Buildings</b>             | <b>Electric Acct #</b> | <b>Gas Acct #</b> | <b>Water Acct #</b> |
|------------------------------|------------------------|-------------------|---------------------|
| Homewood North               | 1000-538-716-001       | 0900608-120956    | 165740              |
|                              | 2000-541-678-001       | 0900608-137716    | 165741              |
|                              | 3000-538-693-001       | 0900608-146749    | 211622              |
|                              | 4000-537-155-001       | 0900608-183554    | 215886              |
|                              | 4000-538-691-001       | 0900608-374664    | 215887              |
|                              | 5000-537-153-001       | 2-0000-442-1893   | 215888              |
|                              | 5000-538-717-001       |                   | 1021-980            |
|                              | 5000-541-792-001       |                   | 885-852             |
|                              | 5000-542-549-001       |                   | 93033-88568         |
|                              | 6000-538-715-001       |                   | 93035-88570         |
|                              | 6001-055-907-001       |                   | 93037-88572         |
|                              | 7000-538-694-001       |                   | 93817-980           |
|                              | 7000-541-679-001       |                   |                     |
|                              | 8000-538-692-001       |                   |                     |
|                              | 8000-538-736-001       |                   |                     |
|                              | 8000-542-550-001       |                   |                     |
|                              | 9000-537-154-001       |                   |                     |
|                              | 9000-541-793-001       |                   |                     |
|                              | 000-537-152-001        |                   |                     |
|                              | 0000-538-718-001       |                   |                     |
| Murray Towers                |                        | 2-0000-387-03414  | 190254              |
| Mazza Pavillon (Brookline)   |                        | 0900608-307611    | 261244              |
|                              |                        |                   | 24-0733625-0        |
|                              |                        |                   | 24-0750368-5        |
| Caliguiri Plaza (Allentown ) |                        | 0900608-410310    | 201368              |
| Morse Gardens                |                        | 0900608-200444    | 102365              |
|                              |                        |                   | 103336              |
|                              |                        |                   | 255656              |
| D.A.P. Carrick Regency       |                        | 0900608-389302    | 24-0704817-8        |
|                              |                        |                   | 24-0750415-4        |
| Gualtieri Manor              |                        | 1009-2775-001-7   | 281276              |
| Finello Pavillion            |                        | 2-0000-382-5003   | 24-0725936-1        |

# Retrofit Highlights

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- Lighting
- Water Conservation (showers, faucet aerators, toilets)
- Refrigerators
- Building Envelope
- Roofs and Insulation (attics)
- Limiting Thermostats
- Geothermal Heat Pump Systems
- New Boilers
- Adjust CFMs and New Ventilation Units
- Radiator Control Valves
- Ventilation Unit Heat Recovery
- Insulate Make up Air Ducts

## Determination of Energy Savings

### Theory of Energy Management

Energy conservation measures (ECM) include the installation of equipment or systems for the purpose of reducing energy use and/or costs. The cost of ECM implementation is recovered through the savings created by the ECM. The Federal Energy Management Program (F.E.M.P) of the U.S. Department of Energy and its Measurement and Verification Guidelines for Federal Energy Projects classify measurement and verification approaches as Options A, B, C, and D. The F.E.M.P. Guideline is based on the International Performance Measurement and Verification Protocol (I.P.M.V.P.).

*Option A:* Verification techniques determine savings by measuring the performance of a system before and after a retrofit, either through physical measurement or the use of manufacturer data, and multiplying the difference by an agreed-upon or stipulated factor, such as hours of operation.

*Option B:* Verification techniques are designed for projects where long-term continuous measurement of performance is desired. Metering is conducted on an individual system level, and the measured performance is compared with a baseline to determine savings.

*Option C:* Verification techniques involve utility whole building meter analysis, reviewing overall energy use, and identifying the effects of energy projects on a facility. Energy use before and after a retrofit project is compared to determine savings.

*Option D:* Computer models are developed that use calibrated simulations of baseline and post-installation energy use to measure savings.

# Methodology

## Scope of Work

The following page details each ECM and the IPMVP methodology used

| ECM   | ECM Description  | Post-Installation Option | Performance Period Option   |
|-------|--|--------------------------|---|
| 1,2   | Lighting   | B (measured sample set)  | A   |
| 6     | Refrigerators  | B (measured sample set)  | A   |
| 10,11 | Water Conservation<br>(showers, faucet aerators,<br>toilets) | B (measured sample set)  | A (electric),<br>A (gas & water at Mazza<br>Pavilion)<br>C (gas and water for remaining<br>sites) |
| 16    | Building Envelope  | A (visual inspection)    | A for cooling,<br>C for gas heating   |
| 18    | Roofs and Insulation (attics)                                | A (visual inspection)    | A for cooling,<br>C for gas heating,  |
| 21    | Limiting Thermostats   | A (visual inspection)    | A (tenant paid allowance sites),<br>C (gas at frozen base sites)                                  |
| 26    | Geothermal Heat Pump<br>Systems                              | A (visual inspection)    | C (electric and gas)  |
| 27    | New Boilers  | A (visual inspection)    | C (gas)   |
| 29,30 | Adjust CFMs and New<br>Ventilation Units                     | A (visual inspection)    | A (electric), C (gas)   |
| 31    | Radiator Control Valves                                      | A (visual inspection)    | C (gas)   |
| 32    | Ventilation Unit Heat<br>Recovery                            | A (visual inspection)    | A for electric, C for gas   |
| 37    | Insulate Make up Air Ducts                                   | A (visual inspection)    | A (electric), C (gas)   |

# Annual Guarantee Amount

The guarantee table below reflects Honeywell’s annual guarantee, which will provide the housing authority the amount needed to cover the principal amount to be paid to a financial institution, the interest amount to be paid to a financial institution, and on-going M&V costs to be paid to Honeywell, for each performance year. The total shown is the cost of the project over the 12-year term.

|                      |         | Savings       |      |               |              |              | Amortization    |                  |                  | P+I+Service<br>= Honeywell<br>Guarantee | Savings %<br>Guaranteed<br>by HW |
|----------------------|---------|---------------|------|---------------|--------------|--------------|-----------------|------------------|------------------|---|----------------------------------|
|                      |         | Energy        | RBY  | Total         | M&V          | Total        | Interest        | Principal        | Balance          |   |                                  |
| Escalation Over Term |         | 16.3%         | 0.0% |               | 3.0%         |              |                 |                  |                  |   |                                  |
| 0                    | Year 1  | \$ 2,584,170  | \$ - | \$ 2,584,170  | \$ 72,342    | \$ 72,342    | \$ 1,191,039.78 | \$ 1,320,788.22  | \$ 25,171,724.12 | \$ 2,584,170                            | 92.59%                           |
| 1                    | Year 2  | \$ 2,653,236  | \$ - | \$ 2,653,236  | \$ 74,512    | \$ 74,512    | \$ 1,127,557.67 | \$ 1,451,158.33  | \$ 23,720,565.79 | \$ 2,653,228                            | 92.59%                           |
| 2                    | Year 3  | \$ 2,724,373  | \$ - | \$ 2,724,373  | \$ 76,747    | \$ 76,747    | \$ 1,057,907.42 | \$ 1,589,712.58  | \$ 22,130,853.21 | \$ 2,724,367                            | 92.59%                           |
| 3                    | Year 4  | \$ 2,797,645  | \$ - | \$ 2,797,645  | \$ 79,049    | \$ 79,049    | \$ 981,703.48   | \$ 1,736,884.52  | \$ 20,393,968.70 | \$ 2,797,637                            | 92.59%                           |
| 4                    | Year 5  | \$ 2,873,114  | \$ - | \$ 2,873,114  | \$ 81,420    | \$ 81,420    | \$ 898,539.46   | \$ 1,893,152.54  | \$ 18,500,816.15 | \$ 2,873,112                            | 92.59%                           |
| 5                    | Year 6  | \$ 2,950,848  | \$ - | \$ 2,950,848  | \$ 83,863    | \$ 83,863    | \$ 807,986.95   | \$ 2,058,993.05  | \$ 16,441,823.10 | \$ 2,950,843                            | 92.59%                           |
| 6                    | Year 7  | \$ 3,030,913  | \$ - | \$ 3,030,913  | \$ 86,379    | \$ 86,379    | \$ 709,594.70   | \$ 2,234,929.30  | \$ 14,206,893.80 | \$ 3,030,903                            | 92.59%                           |
| 7                    | Year 8  | \$ 3,113,381  | \$ - | \$ 3,113,381  | \$ 88,970    | \$ 88,970    | \$ 602,886.58   | \$ 2,421,521.42  | \$ 11,785,372.38 | \$ 3,113,378                            | 92.59%                           |
| 8                    | Year 9  | \$ 3,198,323  | \$ - | \$ 3,198,323  | \$ 91,639    | \$ 91,639    | \$ 487,360.92   | \$ 2,619,319.08  | \$ 9,166,053.30  | \$ 3,198,319                            | 92.59%                           |
| 9                    | Year 10 | \$ 3,285,813  | \$ - | \$ 3,285,813  | \$ 94,388    | \$ 94,388    | \$ 362,489.49   | \$ 2,828,934.51  | \$ 6,337,118.79  | \$ 3,285,812                            | 92.59%                           |
| 10                   | Year 11 | \$ 3,375,927  | \$ - | \$ 3,375,927  | \$ 97,220    | \$ 97,220    | \$ 227,715.76   | \$ 3,050,984.24  | \$ 3,286,134.55  | \$ 3,375,920                            | 92.59%                           |
| 11                   | Year 12 | \$ 3,468,745  | \$ - | \$ 3,468,745  | \$ 100,137   | \$ 100,137   | \$ 82,453.50    | \$ 3,286,134.55  | \$ -             | \$ 3,468,725                            | 92.58%                           |
| Total                |         | \$ 36,056,488 | \$ - | \$ 36,056,488 | \$ 1,026,666 | \$ 1,026,666 | \$ 8,537,235.70 | \$ 26,492,512.34 |                  | \$ 36,056,414                           | 92.59%                           |

# Cost Avoidance Summary

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## Year 4 Savings

|                             |           |                  |
|-----------------------------|-----------|------------------|
| Option A Cost Avoidance     | \$        | 372,745          |
| Option C Cost Avoidance     | \$        | 2,141,528        |
| Adjustments                 | \$        | 531,909          |
| <b>Total Year 4 Savings</b> | <b>\$</b> | <b>3,046,182</b> |

## Year 4 Savings

|                                      |           |                  |
|--------------------------------------|-----------|------------------|
| Year 4 Debt Service                  | \$        | 2,718,588        |
| Year 4 M&V Service Cost              | \$        | 79,049           |
| <b>Total Year 4 Energy Guarantee</b> | <b>\$</b> | <b>2,797,637</b> |

Net Results \$ **248,545**

Percent of Plan 109%

## Cumulative Results

| TIME PERIOD  |             | COST AVOIDANCE       | ANNUAL GUARANTEE     | AMOUNT RECONSOILED | NET RESULTS         |
|--------------|-------------|----------------------|----------------------|--------------------|---------------------|
| Year 1       | 9/11 - 8/12 | \$ 2,568,363         | \$ 2,584,170         | \$ 15,807          | \$ -                |
| Year 2       | 9/12 - 8/13 | \$ 3,038,527         | \$ 2,653,228         |                    | \$ 385,299          |
| Year 3       | 9/13 - 8/14 | \$ 3,151,588         | \$ 2,724,367         |                    | \$ 427,221          |
| Year 4       | 9/14 - 8/15 | \$ 3,046,182         | \$ 2,797,637         |                    | \$ 248,545          |
|              |             |                      |                      |                    |                     |
| <b>TOTAL</b> |             | <b>\$ 11,804,660</b> | <b>\$ 10,759,402</b> | <b>\$ 15,807</b>   | <b>\$ 1,076,872</b> |

# Energy Avoidance Summary by Site

| Site | Project Number | Project Name    | Cost Summary                  | Electrical                   |      | Natural Gas |      | Water          |      | Total Energy Savings |
|------|----------------|-----------------|-------------------------------|------------------------------|------|-------------|------|----------------|------|----------------------|
|      |                |                 |                               | Yearly Energy Savings        |      |             |      | Yearly Savings |      |                      |
|      |                |                 | Description of ECM            | (KWH)                        | (\$) | (MCF)       | (\$) | (Kgals)        | (\$) | (\$)                 |
| 1    | PA 1-01        | Addison Terrace | Retrofit Tenant Area Lighting | Building being rehabilitated |      |             |      |                |      |                      |
| 1    | PA 1-01        | Addison Terrace | Retrofit Common Area Lighting |                              |      |             |      |                |      |                      |
| 1    | PA 1-01        | Addison Terrace | High Efficiency Refrigerators |                              |      |             |      |                |      |                      |
| 1    | PA 1-01        | Addison Terrace | Building Envelope             |                              |      |             |      |                |      |                      |
| 1    | PA 1-01        | Addison Terrace | Option C Savings              |                              |      |             |      |                |      |                      |

**Rate Applied**  
**Totals:**            0            \$0            0            \$21.08            \$9.83            \$0

|   |         |                   |                               |         |          |        |           |  |     |           |
|---|---------|-------------------|-------------------------------|---------|----------|--------|-----------|--|-----|-----------|
| 2 | PA 1-02 | Bedford Dwellings | Retrofit Tenant Area Lighting | 380,228 | \$43,270 |        | \$0       |  | \$0 | \$43,270  |
| 2 | PA 1-02 | Bedford Dwellings | Retrofit Common Area Lighting | 106,355 | \$12,103 |        | \$0       |  | \$0 | \$12,103  |
| 2 | PA 1-02 | Bedford Dwellings | High Efficiency Refrigerators | 28,516  | \$3,245  |        | \$0       |  | \$0 | \$3,245   |
| 2 | PA 1-02 | Bedford Dwellings | Building Envelope             | 3,075   | \$350    |        | \$0       |  | \$0 | \$350     |
| 2 | PA 1-02 | Bedford Dwellings | Option C Savings              |         |          | 19,802 | \$429,957 |  | \$0 | \$429,957 |

**Rate Applied**  
**Totals:**    518,174    \$58,968    19,802    \$21.08    \$9.83    \$488,925

|   |         |                   |                  |         |          |       |           |       |          |           |
|---|---------|-------------------|------------------|---------|----------|-------|-----------|-------|----------|-----------|
| 3 | PA 1-04 | Arlington Heights | Option C Savings | 675,017 | \$76,849 | 8,091 | \$175,680 | 9,248 | \$93,679 | \$346,208 |
|---|---------|-------------------|------------------|---------|----------|-------|-----------|-------|----------|-----------|

**Rate Applied**  
**Totals:**    675,017    \$76,849    8,091    \$21.08    \$9.83    \$346,208

|   |         |                     |                               |         |          |       |          |       |          |          |
|---|---------|---------------------|-------------------------------|---------|----------|-------|----------|-------|----------|----------|
| 4 | PA 1-05 | Allegheny Dwellings | Retrofit Tenant Area Lighting | 295,457 | \$33,623 |       | \$0      |       | \$0      | \$33,623 |
| 4 | PA 1-05 | Allegheny Dwellings | Retrofit Common Area Lighting | 31,790  | \$3,618  |       | \$0      |       | \$0      | \$3,618  |
| 4 | PA 1-05 | Allegheny Dwellings | High Efficiency Refrigerators | 14,062  | \$1,600  |       | \$0      |       | \$0      | \$1,600  |
| 4 | PA 1-05 | Allegheny Dwellings | Water Conservations           | 222,931 | \$25,370 |       | \$0      |       | \$0      | \$25,370 |
| 4 | PA 1-05 | Allegheny Dwellings | Building Envelope             | 7,255   | \$826    |       | \$0      |       | \$0      | \$826    |
| 4 | PA 1-05 | Allegheny Dwellings | Option C Savings              |         |          | 1,673 | \$36,324 | 2,852 | \$28,890 | \$65,214 |

**Rate Applied**  
**Totals:**    571,495    \$65,036    1,673    \$21.08    \$9.83    \$130,250

# Energy Avoidance Summary by Site

| Site | Project Number | Project Name      | Cost Summary       | Electrical            |             | Natural Gas |           | Water          |             | Total Energy Savings |
|------|----------------|-------------------|--------------------|-----------------------|-------------|-------------|-----------|----------------|-------------|----------------------|
|      |                |                   |                    | Yearly Energy Savings |             |             |           | Yearly Savings |             |                      |
|      |                |                   | Description of ECM | (KWH)                 | (\$)        | (MCF)       | (\$)      | (Kgals)        | (\$)        | (\$)                 |
| 5    | PA 1-09        | Northview Heights | Option C Savings   | (2,998,454)           | (\$341,374) | 42,005      | \$912,049 | (15,611)       | (\$158,133) | \$412,542            |

**Rate Applied**  
**Totals:**    (2,998,454)    (\$341,374)    42,005    \$912,049    (15,611)    (\$158,133)    \$412,542

|   |         |                  |                               |        |         |      |          |        |           |           |
|---|---------|------------------|-------------------------------|--------|---------|------|----------|--------|-----------|-----------|
| 7 | PA 1-11 | Hamilton-Larimer | Retrofit Tenant Area Lighting | 41,936 | \$4,772 |      | \$0      |        | \$0       | \$4,772   |
| 7 | PA 1-11 | Hamilton-Larimer | Retrofit Common Area Lighting | 32,079 | \$3,651 |      | \$0      |        | \$0       | \$3,651   |
| 7 | PA 1-11 | Hamilton-Larimer | High Efficiency Refrigerators | 19,494 | \$2,218 |      | \$0      |        | \$0       | \$2,218   |
| 7 | PA 1-11 | Hamilton-Larimer | Option C Savings              | 0      | \$0     | -345 | -\$7,486 | -2,899 | -\$29,369 | -\$36,855 |

**Rate Applied**  
**Totals:**    93,509    \$10,641    -345    -\$7,486    -2,899    -\$29,369    -\$26,213

|   |         |                      |                               |        |         |       |          |       |          |          |
|---|---------|----------------------|-------------------------------|--------|---------|-------|----------|-------|----------|----------|
| 8 | PA 1-15 | Pennsylvania-Bidwell | Retrofit Tenant Area Lighting | 84,959 | \$9,668 |       | \$0      |       | \$0      | \$9,668  |
| 8 | PA 1-15 | Pennsylvania-Bidwell | Retrofit Common Area Lighting | 15,929 | \$1,813 |       | \$0      |       | \$0      | \$1,813  |
| 8 | PA 1-15 | Pennsylvania-Bidwell | Building Envelope             | 3,688  | \$420   |       | \$0      |       | \$0      | \$420    |
| 8 | PA 1-15 | Pennsylvania-Bidwell | Option C Savings              | 0      | \$0     | 2,925 | \$63,519 | 2,197 | \$22,257 | \$85,776 |

**Rate Applied**  
**Totals:**    104,576    \$11,901    2,925    \$63,519    2,197    \$22,257    \$97,677

|   |         |                 |                               |         |          |      |           |       |          |          |
|---|---------|-----------------|-------------------------------|---------|----------|------|-----------|-------|----------|----------|
| 9 | PA 1-17 | Pressley Street | Retrofit Tenant Area Lighting | 68,020  | \$7,741  |      | \$0       |       | \$0      | \$7,741  |
| 9 | PA 1-17 | Pressley Street | Retrofit Common Area Lighting | 278,784 | \$31,726 |      | \$0       |       | \$0      | \$31,726 |
| 9 | PA 1-17 | Pressley Street | Building Envelope             | 4,321   | \$492    |      | \$0       |       | \$0      | \$492    |
| 9 | PA 1-17 | Pressley Street | Option C Savings              | 0       | \$0      | -486 | -\$10,554 | 1,247 | \$12,632 | \$2,077  |

**Rate Applied**  
**Totals:**    351,125    \$39,958    -486    -\$10,554    1,247    \$12,632    \$42,035

|    |         |                |                  |           |            |        |           |        |           |           |
|----|---------|----------------|------------------|-----------|------------|--------|-----------|--------|-----------|-----------|
| 10 | PA 1-20 | Homewood North | Option C Savings | (639,884) | (\$72,819) | 25,564 | \$555,082 | 15,545 | \$157,465 | \$639,728 |
|----|---------|----------------|------------------|-----------|------------|--------|-----------|--------|-----------|-----------|

**Rate Applied**  
**Totals:**    (639,884)    (\$72,819)    25,564    \$555,082    15,545    \$157,465    \$639,728

# Energy Avoidance Summary by Site

| Site | Project Number | Project Name  | Cost Summary                           | Electrical            |         | Natural Gas |         | Water          |        | Total Energy Savings |
|------|----------------|---------------|--|-----------------------|---------|-------------|---------|----------------|--------|----------------------|
|      |                |               |  | Yearly Energy Savings |         |             |         | Yearly Savings |        |                      |
|      |                |               | Description of ECM                     | (KWH)                 | (\$)    | (MCF)       | (\$)    | (Kgals)        | (\$)   | (\$)                 |
| 11   | PA 1-31        | Murray Towers | Retrofit Tenant Area Lighting          | 46,433                | \$5,284 |             | \$0     |                | \$0    | \$5,284              |
| 11   | PA 1-31        | Murray Towers | Retrofit Common Area Lighting          | 67,034                | \$7,628 |             | \$0     |                | \$0    | \$7,628              |
| 11   | PA 1-31        | Murray Towers | Building Envelope                      | 674                   | \$77    |             | \$0     |                | \$0    | \$77                 |
| 11   | PA 1-31        | Murray Towers | Roof Replacement with Added Insulation | 146                   | \$17    |             | \$0     |                | \$0    | \$17                 |
| 11   | PA 1-31        | Murray Towers | New Ventilation Unit                   | 13,243                | \$1,507 |             | \$0     |                | \$0    | \$1,507              |
| 11   | PA 1-31        | Murray Towers | New Ventilation Unit                   | 3,842                 | \$437   |             | \$0     |                | \$0    | \$437                |
| 11   | PA 1-31        | Murray Towers | Insulated Duct                         | 212                   | \$24    |             | \$0     |                | \$0    | \$24                 |
| 11   | PA 1-31        | Murray Towers | Option C Savings                       | 0                     | \$0     | 5,033       | 109,276 | 2,433          | 24,645 | \$133,921            |

|                     |                |               |                 |              |                |                  |              |               |                 |                  |
|---------------------|----------------|---------------|-----------------|--------------|----------------|------------------|--------------|---------------|-----------------|------------------|
| <b>Rate Applied</b> |                |               |                 |              |                |                  |              |               |                 |                  |
| <b>Totals:</b>      | <b>131,585</b> | <b>\$0.11</b> | <b>\$14,974</b> | <b>5,033</b> | <b>\$21.08</b> | <b>\$109,276</b> | <b>2,433</b> | <b>\$9.83</b> | <b>\$24,645</b> | <b>\$148,895</b> |

|    |         |                   |                               |         |          |       |          |       |          |          |
|----|---------|-------------------|-------------------------------|---------|----------|-------|----------|-------|----------|----------|
| 12 | PA 1-32 | Glen Hazel Family | Retrofit Tenant Area Lighting | 153,182 | \$17,432 |       | \$0      |       | \$0      | \$17,432 |
| 12 | PA 1-32 | Glen Hazel Family | Retrofit Common Area Lighting | 0       | \$0      |       | \$0      |       | \$0      | \$0      |
| 12 | PA 1-32 | Glen Hazel Family | High Efficiency Refrigerators | 34,071  | \$3,877  |       | \$0      |       | \$0      | \$3,877  |
| 12 | PA 1-32 | Glen Hazel Family | Water Conservations           | 0       | \$0      | 840   | \$17,700 | 1,797 | \$17,670 | \$35,369 |
| 12 | PA 1-32 | Glen Hazel Family | Limiting Thermostats          | 0       | \$0      | 2,294 | \$48,348 |       |          | \$48,348 |

|                     |                |               |                 |              |                |                 |              |               |                 |                  |
|---------------------|----------------|---------------|-----------------|--------------|----------------|-----------------|--------------|---------------|-----------------|------------------|
| <b>Rate Applied</b> |                |               |                 |              |                |                 |              |               |                 |                  |
| <b>Totals:</b>      | <b>187,253</b> | <b>\$0.11</b> | <b>\$21,309</b> | <b>3,133</b> | <b>\$21.08</b> | <b>\$66,048</b> | <b>1,797</b> | <b>\$9.83</b> | <b>\$17,670</b> | <b>\$105,027</b> |

|    |         |                |                               |                            |  |  |  |  |  |  |
|----|---------|----------------|-------------------------------|----------------------------|--|--|--|--|--|--|
| 13 | PA 1-40 | Mazza Pavilion | Retrofit Tenant Area Lighting | Building was rehabilitated |  |  |  |  |  |  |
| 13 | PA 1-40 | Mazza Pavilion | Retrofit Common Area Lighting |                            |  |  |  |  |  |  |
| 13 | PA 1-40 | Mazza Pavilion | Building Envelope             |                            |  |  |  |  |  |  |
| 13 | PA 1-40 | Mazza Pavilion | Option C Savings              |                            |  |  |  |  |  |  |

|                     |          |               |            |          |                |            |          |               |          |            |
|---------------------|----------|---------------|------------|----------|----------------|------------|----------|---------------|----------|------------|
| <b>Rate Applied</b> |          |               |            |          |                |            |          |               |          |            |
| <b>Totals:</b>      | <b>0</b> | <b>\$0.11</b> | <b>\$0</b> | <b>0</b> | <b>\$21.08</b> | <b>\$0</b> | <b>0</b> | <b>\$9.83</b> | <b>0</b> | <b>\$0</b> |

# Energy Avoidance Summary by Site

| Site | Project Number | Project Name   | Cost Summary                  | Electrical            |         | Natural Gas |          | Water          |          | Total Energy Savings |
|------|----------------|----------------|-------------------------------|-----------------------|---------|-------------|----------|----------------|----------|----------------------|
|      |                |                |                               | Yearly Energy Savings |         |             |          | Yearly Savings |          |                      |
|      |                |                | Description of ECM            | (KWH)                 | (\$)    | (MCF)       | (\$)     | (Kgals)        | (\$)     | (\$)                 |
| 14   | PA 1-41        | Caluguir Plaza | Retrofit Tenant Area Lighting | 53,296                | \$6,065 |             | \$0      |                | \$0      | \$6,065              |
| 14   | PA 1-41        | Caluguir Plaza | Retrofit Common Area Lighting | 30,311                | \$3,449 |             | \$0      |                | \$0      | \$3,449              |
| 14   | PA 1-41        | Caluguir Plaza | Building Envelope             | 1,161                 | \$132   |             | \$0      |                | \$0      | \$132                |
| 14   | PA 1-41        | Caluguir Plaza | Limiting Thermostats          | 30,433                | \$3,463 |             | \$0      |                | \$0      | \$3,463              |
| 14   | PA 1-41        | Caluguir Plaza | Option C Savings              | 0                     | \$0     | 1,988       | \$43,155 | -327           | -\$3,312 | \$39,843             |

**Rate Applied**  
**Totals: 115,201      \$0.11      \$13,110      1,988      \$21.08      \$43,155      -327      -\$3,312      \$52,953**

|    |         |                  |                               |        |         |      |           |  |     |           |
|----|---------|------------------|-------------------------------|--------|---------|------|-----------|--|-----|-----------|
| 15 | PA 1-44 | Finello Pavilion | Retrofit Tenant Area Lighting | 24,773 | \$2,819 |      | \$0       |  | \$0 | \$2,819   |
| 15 | PA 1-44 | Finello Pavilion | Retrofit Common Area Lighting | 17,579 | \$2,000 |      | \$0       |  | \$0 | \$2,000   |
| 15 | PA 1-44 | Finello Pavilion | Building Envelope             | 668    | \$76    |      | \$0       |  | \$0 | \$76      |
| 15 | PA 1-44 | Finello Pavilion | Limiting Thermostats          | 19,733 | \$2,246 |      | \$0       |  | \$0 | \$2,246   |
| 15 | PA 1-44 | Finello Pavilion | Option C Savings              | 0      | \$0     | (61) | (\$1,294) |  | \$0 | (\$1,294) |

**Rate Applied**  
**Totals: 62,753      \$0.11      \$7,141      (61)      \$21.08      (\$1,294)      0      \$0      \$5,847**

|    |         |               |                               |        |         |     |          |       |          |          |
|----|---------|---------------|-------------------------------|--------|---------|-----|----------|-------|----------|----------|
| 16 | PA 1-45 | Morse Gardens | Retrofit Tenant Area Lighting | 7,332  | \$834   |     | \$0      |       | \$0      | \$834    |
| 16 | PA 1-45 | Morse Gardens | Retrofit Common Area Lighting | 9,164  | \$1,043 |     | \$0      |       | \$0      | \$1,043  |
| 16 | PA 1-45 | Morse Gardens | Limiting Thermostats          | 19,469 | \$2,216 |     | \$0      |       | \$0      | \$2,216  |
| 16 | PA 1-45 | Morse Gardens | Option C Savings              | 0      | \$0     | 885 | \$19,224 | 1,529 | \$15,488 | \$34,712 |

**Rate Applied**  
**Totals: 35,965      \$0.11      \$4,093      885      \$21.08      \$19,224      1,529      \$15,488      \$38,805**

|    |         |                 |                               |        |         |     |          |        |           |           |
|----|---------|-----------------|-------------------------------|--------|---------|-----|----------|--------|-----------|-----------|
| 17 | PA 1-46 | Carrick Regency | Retrofit Tenant Area Lighting | 33,678 | \$3,833 |     | \$0      |        | \$0       | \$3,833   |
| 17 | PA 1-46 | Carrick Regency | Retrofit Common Area Lighting | 53,933 | \$6,138 |     | \$0      |        | \$0       | \$6,138   |
| 17 | PA 1-46 | Carrick Regency | Building Envelope             | 1,170  | \$133   |     | \$0      |        | \$0       | \$133     |
| 17 | PA 1-46 | Carrick Regency | Limiting Thermostats          | 15,161 | \$1,725 |     | \$0      |        | \$0       | \$1,725   |
| 17 | PA 1-46 | Carrick Regency | Option C Savings              | 0      | \$0     | 535 | \$11,621 | -2,350 | -\$23,809 | -\$12,188 |

**Rate Applied**  
**Totals: 103,941      \$0.11      \$11,829      535      \$21.08      \$11,621      -2,350      -\$23,809      -\$359**

# Energy Avoidance Summary by Site

| Site | Project Number | Project Name    | Cost Summary                  | Electrical            |         | Natural Gas |        | Water          |         | Total Energy Savings |
|------|----------------|-----------------|-------------------------------|-----------------------|---------|-------------|--------|----------------|---------|----------------------|
|      |                |                 |                               | Yearly Energy Savings |         |             |        | Yearly Savings |         |                      |
|      |                |                 | Description of ECM            | (KWH)                 | (\$)    | (MCF)       | (\$)   | (Kgals)        | (\$)    | (\$)                 |
| 18   | PA 1-47        | Gualtieri Manor | Retrofit Tenant Area Lighting | 16,158                | \$1,839 |             | \$0    |                | \$0     | \$1,839              |
| 18   | PA 1-47        | Gualtieri Manor | Retrofit Common Area Lighting | 33,036                | \$3,759 |             | \$0    |                | \$0     | \$3,759              |
| 18   | PA 1-47        | Gualtieri Manor | Limiting Thermostats          | 7,751                 | \$882   |             | \$0    |                | \$0     | \$882                |
| 18   | PA 1-47        | Gualtieri Manor | Option C Savings              | 0                     | \$0     | (3)         | (\$58) | 196            | \$1,985 | \$1,927              |

|              |        |         |     |         |     |         |
|--------------|--------|---------|-----|---------|-----|---------|
| Rate Applied |        | \$0.11  |     | \$21.08 |     | \$9.83  |
| Totals:      | 56,945 | \$6,480 | (3) | (\$58)  | 196 | \$1,985 |
|              |        |         |     |         |     | \$8,408 |

**Total ALL Sites:**

| (KWH)     | (\$)       | (MCF)   | (\$)        | (Water) | (\$)      | Total Energy Savings |
|-----------|------------|---------|-------------|---------|-----------|----------------------|
| (630,800) | (\$71,903) | 110,739 | \$2,402,542 | 15,856  | \$160,087 | \$2,490,726          |

# Utility Rate

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The Rate table below outlines the rates applied throughout this report per the contractual agreement.

## Utility Rate Escalation Table:

| Guarantee Year | Gas Rate (MCF) | Agreed to Escalation | Water Rate (1000 gal) | Agreed to Escalation | Electricity Rate (kWh) | Agreed to Escalation |
|----------------|----------------|----------------------|-----------------------|----------------------|------------------------|----------------------|
| Year 1         | \$19.8705      |                      | \$9.2700              |                      | \$0.1138               |                      |
| Year 2         | \$20.4666      | 3%                   | \$9.5481              | 3%                   | \$0.1138               | 0%                   |
| Year 3         | \$21.0806      | 3%                   | \$9.8345              | 3%                   | \$0.1138               | 0%                   |
| Year 4         | \$21.7130      | 3%                   | \$10.1296             | 3%                   | \$0.1138               | 0%                   |
| Year 5         | \$22.3644      | 3%                   | \$10.4335             | 3%                   | \$0.1138               | 0%                   |
| Year 6         | \$23.0354      | 3%                   | \$10.7465             | 3%                   | \$0.1138               | 0%                   |
| Year 7         | \$23.7264      | 3%                   | \$11.0689             | 3%                   | \$0.1138               | 0%                   |
| Year 8         | \$24.4382      | 3%                   | \$11.4009             | 3%                   | \$0.1138               | 0%                   |
| Year 9         | \$25.1714      | 3%                   | \$11.7430             | 3%                   | \$0.1138               | 0%                   |
| Year 10        | \$25.9265      | 3%                   | \$12.0952             | 3%                   | \$0.1138               | 0%                   |
| Year 11        | \$26.7043      | 3%                   | \$12.4581             | 3%                   | \$0.1138               | 0%                   |
| Year 12        | \$27.5054      | 3%                   | \$12.8318             | 3%                   | \$0.1138               | 0%                   |

# Option C Savings

| HA Site # | Site Name                        | Electric Savings       |                | Gas Savings |                | Water / Sewer Savings |                | Total Savings |
|-----------|----------------------------------|------------------------|----------------|-------------|----------------|-----------------------|----------------|---------------|
|           |                                  | kWh                    | Annual Savings | MCF         | Annual Savings | 1000 Gal/yr.          | Annual Savings | Savings/yr.   |
| PA 1-01   | Addison Terrance                 | Building rehabilitated |                |             |                |                       |                | \$0           |
| PA 1-02   | Bedford Dwellings                |                        |                | 19,802      | \$429,957      |                       |                | \$429,957     |
| PA 1-04   | Arlington Heights                | 675,017                | \$76,849       | 8,091       | \$175,680      | 9,248                 | \$93,679       | \$346,208     |
| PA 1-05   | Allegheny Dwellings              |                        |                | 1,673       | \$36,324       | 2,852                 | \$28,890       | \$65,214      |
| PA 1-09   | Northview Heights                | (2,998,454)            | (\$341,374)    | 42,005      | \$912,049      | (15,611)              | (\$158,133)    | \$412,542     |
| PA 1-11   | Hamilton-Larimer                 |                        |                | (345)       | (\$7,486)      | (2,899)               | (\$29,369)     | (\$36,855)    |
| PA 1-15   | Pennsylvania-Bidwell             |                        |                | 2,925       | \$63,519       | 2,197                 | \$22,257       | \$85,776      |
| PA 1-17   | Pressley Street                  |                        |                | (486)       | (\$10,554)     | 1,247                 | \$12,632       | \$2,077       |
| PA 1-20   | Homewood North                   | (639,884)              | (\$72,819)     | 25,564      | \$555,082      | 15,545                | \$157,465      | \$639,728     |
| PA 1-31   | Murray Tower                     |                        |                | 5,033       | \$109,276      | 2,433                 | \$24,645       | \$133,921     |
| PA 1-40   | Mazza Pavilion (Brookline)       | Building rehabilitated |                |             |                |                       |                | \$0           |
| PA 1-41   | Caliguiri Plaza (Allentown)      |                        |                | 1,988       | \$43,155       | (327)                 | (\$3,312)      | \$39,843      |
| PA 1-44   | Finello Pavilion (South Oakland) |                        |                | (61)        | (\$1,333)      |                       |                | (\$1,333)     |
| PA 1-45   | Morse Gardens                    |                        |                | 885         | \$19,224       | 1,529                 | \$15,488       | \$34,712      |
| PA 1-46   | Carrick Regency                  |                        |                | 535         | \$11,621       | (2,350)               | (\$23,809)     | (\$12,188)    |
| PA 1-47   | Gualtieri Manor                  |                        |                | (3)         | (\$58)         | 196                   | \$1,985        | \$1,927       |
|           |                                  | (2,963,321)            | (\$337,344)    | 107,606     | \$2,336,455    | 14,060                | \$142,417      | \$2,141,528   |

# Meter Detail Report

Baseline: Usage and costs representative of the facility's operations for the baseline period as seen in the contract.

Adjusted Baseline: Baseline usage and Cost adjusted to conditions of the current year. (Includes: weather, number of billing days and Facility Changes)

SimActual: Current year usage and calculated costs using the applicable contract rate.

## Meter: PA 1-01 Water

### Baseline

|            | Sep 2006  | Oct 2006  | Nov 2006  | Dec 2006   | Jan 2006   | Feb 2006   | Mar 2006   | Apr 2006   | May 2006   | Jun 2006   | Jul 2006   | Aug 2006   |
|------------|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Month Use  | 3,582     | 3,225     | 3,453     | 3,991      | 4,311      | 4,445      | 4,984      | 7,448      | 4,464      | 6,169      | 2,985      | 3,457      |
| YTD Use    | 3,582     | 6,807     | 10,260    | 14,251     | 18,562     | 23,007     | 27,991     | 35,439     | 39,903     | 46,072     | 49,057     | 52,514     |
| Month \$   | \$ 33,205 | \$ 29,896 | \$ 32,009 | \$ 37,000  | \$ 39,963  | \$ 41,205  | \$ 46,202  | \$ 69,043  | \$ 41,381  | \$ 57,187  | \$ 27,671  | \$ 32,046  |
| YTD \$     | \$ 33,205 | \$ 63,101 | \$ 95,110 | \$ 132,110 | \$ 172,073 | \$ 213,278 | \$ 259,480 | \$ 328,523 | \$ 369,904 | \$ 427,091 | \$ 454,762 | \$ 486,808 |
| BP Length  | 30        | 31        | 30        | 31         | 31         | 28         | 31         | 30         | 31         | 30         | 31         | 31         |
| HDD        | 134       | 442       | 604       | 812        | 833        | 969        | 832        | 349        | 236        | 47         | 4          | -          |
| CDD        | 12        | -         | -         | -          | -          | -          | -          | -          | 42         | 83         | 263        | 266        |
| Month Rate | \$ 9.270  | \$ 9.270  | \$ 9.270  | \$ 9.271   | \$ 9.270   | \$ 9.270   | \$ 9.270   | \$ 9.270   | \$ 9.270   | \$ 9.270   | \$ 9.270   | \$ 9.270   |
| YTD Rate   | \$ 9.270  | \$ 9.270  | \$ 9.270  | \$ 9.270   | \$ 9.270   | \$ 9.270   | \$ 9.270   | \$ 9.270   | \$ 9.270   | \$ 9.270   | \$ 9.270   | \$ 9.270   |

### Adjusted Baseline

|            | Sep 2014  | Oct 2014  | Nov 2014   | Dec 2014   | Jan 2015   | Feb 2015   | Mar 2015   | Apr 2015   | May 2015   | Jun 2015   | Jul 2015   | Aug 2015   |
|------------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Month Use  | 3,582     | 3,225     | 3,453      | 3,991      | 4,311      | 4,445      | 4,984      | 7,448      | 4,464      | 6,169      | 2,985      | 3,457      |
| YTD Use    | 3,582     | 6,807     | 10,260     | 14,251     | 18,562     | 23,007     | 27,991     | 35,439     | 39,903     | 46,072     | 49,057     | 52,514     |
| Month \$   | \$ 36,284 | \$ 32,668 | \$ 34,978  | \$ 40,427  | \$ 43,669  | \$ 45,026  | \$ 50,486  | \$ 75,445  | \$ 45,219  | \$ 62,490  | \$ 30,237  | \$ 35,018  |
| YTD \$     | \$ 36,284 | \$ 68,952 | \$ 103,930 | \$ 144,357 | \$ 188,026 | \$ 233,052 | \$ 283,538 | \$ 358,983 | \$ 404,201 | \$ 466,691 | \$ 496,928 | \$ 531,946 |
| BP Length  | 30        | 31        | 30         | 31         | 31         | 28         | 31         | 30         | 31         | 30         | 31         | 31         |
| HDD        | 98        | 355       | 787        | 916        | 1,230      | 1,310      | 906        | 365        | 95         | 27         | -          | 7          |
| CDD        | 71        | 4         | -          | -          | -          | -          | -          | 1          | 129        | 184        | 257        | 203        |
| Month Rate | \$ 10.130 | \$ 10.130 | \$ 10.130  | \$ 10.130  | \$ 10.130  | \$ 10.130  | \$ 10.130  | \$ 10.130  | \$ 10.130  | \$ 10.130  | \$ 10.130  | \$ 10.130  |
| YTD Rate   | \$ 10.130 | \$ 10.130 | \$ 10.130  | \$ 10.130  | \$ 10.130  | \$ 10.130  | \$ 10.130  | \$ 10.130  | \$ 10.130  | \$ 10.130  | \$ 10.130  | \$ 10.130  |

### SimActual

|            | Sep 2014  | Oct 2014  | Nov 2014  | Dec 2014  | Jan 2015  | Feb 2015  | Mar 2015  | Apr 2015  | May 2015  | Jun 2015  | Jul 2015  | Aug 2015  |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Month Use  | 1,049     | 1,202     | 994       | 3         | 2,117     | 1,095     | 34        | 113       | 156       | 189       | 192       | 157       |
| YTD Use    | 1,049     | 2,251     | 3,245     | 3,248     | 5,365     | 6,460     | 6,494     | 6,607     | 6,763     | 6,952     | 7,144     | 7,301     |
| Month \$   | \$ 10,626 | \$ 12,176 | \$ 10,069 | \$ 30     | \$ 21,444 | \$ 11,092 | \$ 344    | \$ 1,145  | \$ 1,580  | \$ 1,914  | \$ 1,945  | \$ 1,590  |
| YTD \$     | \$ 10,626 | \$ 22,802 | \$ 32,871 | \$ 32,901 | \$ 54,345 | \$ 65,437 | \$ 65,782 | \$ 66,926 | \$ 68,506 | \$ 70,421 | \$ 72,366 | \$ 73,956 |
| BP Length  | 30        | 31        | 30        | 31        | 31        | 28        | 31        | 30        | 31        | 30        | 31        | 31        |
| HDD        | 98        | 355       | 787       | 916       | 1,230     | 1,310     | 906       | 365       | 95        | 27        | -         | 7         |
| CDD        | 71        | 4         | -         | -         | -         | -         | -         | 1         | 129       | 184       | 257       | 203       |
| Month Rate | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 |
| YTD Rate   | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 |

### SimActual vs. Adjusted Baseline

|           | Sep 2014 | Oct 2014 | Nov 2014 | Dec 2014 | Jan 2015 | Feb 2015 | Mar 2015 | Apr 2015 | May 2015 | Jun 2015 | Jul 2015 | Aug 2015 |
|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Month Use | -70.7%   | -62.7%   | -71.2%   | -99.9%   | -50.9%   | -75.4%   | -99.3%   | -98.5%   | -96.5%   | -96.9%   | -93.6%   | -95.5%   |
| YTD Use   | -70.7%   | -66.9%   | -68.4%   | -77.2%   | -71.1%   | -71.9%   | -76.8%   | -81.4%   | -83.1%   | -84.9%   | -85.4%   | -86.1%   |
| Month \$  | -70.7%   | -62.7%   | -71.2%   | -99.9%   | -50.9%   | -75.4%   | -99.3%   | -98.5%   | -96.5%   | -96.9%   | -93.6%   | -95.5%   |
| YTD \$    | -70.7%   | -66.9%   | -68.4%   | -77.2%   | -71.1%   | -71.9%   | -76.8%   | -81.4%   | -83.1%   | -84.9%   | -85.4%   | -86.1%   |
| BP Length | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| HDD       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| CDD       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |

### Use Avoidance

|           |       |       |       |        |        |        |        |        |        |        |        |        |
|-----------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Month Use | 2,533 | 2,023 | 2,459 | 3,988  | 2,194  | 3,350  | 4,950  | 7,335  | 4,308  | 5,980  | 2,793  | 3,300  |
| YTD Use   | 2,533 | 4,556 | 7,015 | 11,003 | 13,197 | 16,547 | 21,497 | 28,832 | 33,140 | 39,120 | 41,913 | 45,213 |

### Cost Avoidance

|              |           |           |           |            |            |            |            |            |            |            |            |            |
|--------------|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Month Use \$ | \$ 25,658 | \$ 20,492 | \$ 24,909 | \$ 40,397  | \$ 22,224  | \$ 33,934  | \$ 50,142  | \$ 74,301  | \$ 43,638  | \$ 60,575  | \$ 28,292  | \$ 33,428  |
| YTD \$       | \$ 25,658 | \$ 46,150 | \$ 71,059 | \$ 111,456 | \$ 133,680 | \$ 167,614 | \$ 217,756 | \$ 292,057 | \$ 335,695 | \$ 396,270 | \$ 424,562 | \$ 457,990 |

# Meter Detail Report

Baseline: Usage and costs representative of the facility's operations for the baseline period as seen in the contract.

Adjusted Baseline: Baseline usage and Cost adjusted to conditions of the current year. (Includes: weather, number of billing days and Facility Changes)

SimActual: Current year usage and calculated costs using the applicable contract rate.

## Meter: PA 1-01 Gas

### Baseline

|            | Sep 2006  | Oct 2006   | Nov 2006   | Dec 2006   | Jan 2006   | Feb 2006   | Mar 2006   | Apr 2006    | May 2006    | Jun 2006    | Jul 2006    | Aug 2006    |
|------------|-----------|------------|------------|------------|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|
| Month Use  | 815       | 4,788      | 4,586      | 9,736      | 10,041     | 8,679      | 7,959      | 5,065       | 2,474       | 875         | 577         | 511         |
| YTD Use    | 815       | 5,603      | 10,189     | 19,925     | 29,966     | 38,645     | 46,604     | 51,669      | 54,143      | 55,018      | 55,595      | 56,106      |
| Month \$   | \$ 16,195 | \$ 95,140  | \$ 91,127  | \$ 193,461 | \$ 199,521 | \$ 172,457 | \$ 158,150 | \$ 100,645  | \$ 49,160   | \$ 17,387   | \$ 11,465   | \$ 10,154   |
| YTD \$     | \$ 16,195 | \$ 111,335 | \$ 202,462 | \$ 395,923 | \$ 595,444 | \$ 767,901 | \$ 926,051 | \$1,026,696 | \$1,075,856 | \$1,093,243 | \$1,104,708 | \$1,114,862 |
| BP Length  | 30        | 31         | 30         | 31         | 31         | 28         | 31         | 30          | 31          | 30          | 31          | 31          |
| HDD        | 159       | 473        | 634        | 843        | 864        | 997        | 863        | 379         | 261         | 59          | 6           | -           |
| CDD        | 12        | -          | -          | -          | -          | -          | -          | -           | 42          | 83          | 263         | 266         |
| Month Rate | \$ 19.871 | \$ 19.871  | \$ 19.871  | \$ 19.871  | \$ 19.871  | \$ 19.871  | \$ 19.871  | \$ 19.871   | \$ 19.871   | \$ 19.871   | \$ 19.871   | \$ 19.871   |
| YTD Rate   | \$ 19.871 | \$ 19.871  | \$ 19.871  | \$ 19.871  | \$ 19.871  | \$ 19.871  | \$ 19.871  | \$ 19.871   | \$ 19.871   | \$ 19.871   | \$ 19.871   | \$ 19.871   |

### Adjusted Baseline

|            | Sep 2014 | Oct 2014 | Nov 2014 | Dec 2014 | Jan 2015 | Feb 2015 | Mar 2015 | Apr 2015 | May 2015 | Jun 2015 | Jul 2015 | Aug 2015 |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Month Use  | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| YTD Use    | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| Month \$   | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     |
| YTD \$     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     |
| BP Length  | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| HDD        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| CDD        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| Month Rate | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     |
| YTD Rate   | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     |

### SimActual

|            | Sep 2014 | Oct 2014 | Nov 2014 | Dec 2014 | Jan 2015 | Feb 2015 | Mar 2015 | Apr 2015 | May 2015 | Jun 2015 | Jul 2015 | Aug 2015 |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Month Use  | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| YTD Use    | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| Month \$   | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     |
| YTD \$     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     |
| BP Length  | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| HDD        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| CDD        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| Month Rate | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     |
| YTD Rate   | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     |

### SimActual vs. Adjusted Baseline

|           | Sep 2014 | Oct 2014 | Nov 2014 | Dec 2014 | Jan 2015 | Feb 2015 | Mar 2015 | Apr 2015 | May 2015 | Jun 2015 | Jul 2015 | Aug 2015 |
|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Month Use | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| YTD Use   | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| Month \$  | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| YTD \$    | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| BP Length | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| HDD       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| CDD       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |

### Use Avoidance

|           |   |   |   |   |   |   |   |   |   |   |   |   |
|-----------|---|---|---|---|---|---|---|---|---|---|---|---|
| Month Use | - | - | - | - | - | - | - | - | - | - | - | - |
| YTD Use   | - | - | - | - | - | - | - | - | - | - | - | - |

### Cost Avoidance

|              |      |      |      |      |      |      |      |      |      |      |      |      |
|--------------|------|------|------|------|------|------|------|------|------|------|------|------|
| Month Use \$ | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| YTD \$       | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |

# Meter Detail Report

Baseline: Usage and costs representative of the facility's operations for the baseline period as seen in the contract.

Adjusted Baseline: Baseline usage and Cost adjusted to conditions of the current year. (Includes: weather, number of billing days and Facility Changes)

SimActual: Current year usage and calculated costs using the applicable contract rate.

## Meter: PA 1-02 Gas

### Baseline

|            | Sep 2006  | Oct 2006  | Nov 2006   | Dec 2006   | Jan 2006   | Feb 2006   | Mar 2006   | Apr 2006   | May 2006   | Jun 2006     | Jul 2006     | Aug 2006     |
|------------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|--------------|--------------|--------------|
| Month Use  | 943       | 2,955     | 4,627      | 5,527      | 8,609      | 7,752      | 8,555      | 6,034      | 4,153      | 1,271        | 1,008        | 783          |
| YTD Use    | 943       | 3,898     | 8,525      | 14,052     | 22,661     | 30,413     | 38,968     | 45,002     | 49,155     | 50,426       | 51,434       | 52,217       |
| Month \$   | \$ 18,738 | \$ 58,718 | \$ 91,948  | \$ 109,823 | \$ 171,066 | \$ 154,037 | \$ 169,993 | \$ 119,899 | \$ 82,523  | \$ 25,256    | \$ 20,030    | \$ 15,559    |
| YTD \$     | \$ 18,738 | \$ 77,456 | \$ 169,404 | \$ 279,227 | \$ 450,293 | \$ 604,330 | \$ 774,323 | \$ 894,222 | \$ 976,745 | \$ 1,002,001 | \$ 1,022,031 | \$ 1,037,590 |
| BP Length  | 30        | 31        | 30         | 31         | 31         | 28         | 31         | 30         | 31         | 30           | 31           | 31           |
| HDD        | 134       | 442       | 604        | 812        | 833        | 969        | 832        | 349        | 236        | 47           | 4            | -            |
| CDD        | 12        | -         | -          | -          | -          | -          | -          | -          | 42         | 83           | 263          | 266          |
| Month Rate | \$ 19.871 | \$ 19.871 | \$ 19.872  | \$ 19.870  | \$ 19.871  | \$ 19.871  | \$ 19.871  | \$ 19.871  | \$ 19.871  | \$ 19.871    | \$ 19.871    | \$ 19.871    |
| YTD Rate   | \$ 19.871 | \$ 19.871 | \$ 19.871  | \$ 19.871  | \$ 19.871  | \$ 19.871  | \$ 19.871  | \$ 19.871  | \$ 19.871  | \$ 19.871    | \$ 19.871    | \$ 19.871    |

### Adjusted Baseline

|            | Sep 2014  | Oct 2014   | Nov 2014   | Dec 2014   | Jan 2015   | Feb 2015   | Mar 2015     | Apr 2015     | May 2015     | Jun 2015     | Jul 2015     | Aug 2015     |
|------------|-----------|------------|------------|------------|------------|------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Month Use  | 1,918     | 3,828      | 6,925      | 7,898      | 9,786      | 10,616     | 8,069        | 3,922        | 1,932        | 1,483        | 1,250        | 1,216        |
| YTD Use    | 1,918     | 5,745      | 12,670     | 20,568     | 30,354     | 40,970     | 49,039       | 52,961       | 54,893       | 56,375       | 57,625       | 58,842       |
| Month \$   | \$ 41,637 | \$ 83,114  | \$ 150,354 | \$ 171,491 | \$ 212,478 | \$ 230,515 | \$ 175,196   | \$ 85,156    | \$ 41,945    | \$ 32,194    | \$ 27,140    | \$ 26,414    |
| YTD \$     | \$ 41,637 | \$ 124,752 | \$ 275,106 | \$ 446,597 | \$ 659,074 | \$ 889,590 | \$ 1,064,786 | \$ 1,149,941 | \$ 1,191,886 | \$ 1,224,079 | \$ 1,251,219 | \$ 1,277,633 |
| BP Length  | 30        | 31         | 30         | 31         | 30         | 28         | 31           | 30           | 29           | 32           | 31           | 29           |
| HDD        | 98        | 355        | 787        | 916        | 1,181      | 1,307      | 939          | 374          | 105          | 27           | -            | 7            |
| CDD        | 71        | 4          | -          | -          | -          | -          | -            | 1            | 107          | 201          | 251          | 186          |
| Month Rate | \$ 21.713 | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713    | \$ 21.713    | \$ 21.713    | \$ 21.713    | \$ 21.713    | \$ 21.713    |
| YTD Rate   | \$ 21.713 | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713    | \$ 21.713    | \$ 21.713    | \$ 21.713    | \$ 21.713    | \$ 21.713    |

### SimActual

|            | Sep 2014  | Oct 2014  | Nov 2014   | Dec 2014   | Jan 2015   | Feb 2015   | Mar 2015   | Apr 2015   | May 2015   | Jun 2015   | Jul 2015   | Aug 2015   |
|------------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Month Use  | 943       | 2,526     | 3,964      | 5,761      | 6,109      | 6,568      | 5,761      | 3,304      | 1,405      | 1,046      | 896        | 757        |
| YTD Use    | 943       | 3,469     | 7,433      | 13,194     | 19,303     | 25,871     | 31,632     | 34,936     | 36,341     | 37,387     | 38,283     | 39,040     |
| Month \$   | \$ 20,475 | \$ 54,847 | \$ 86,070  | \$ 125,089 | \$ 132,645 | \$ 142,611 | \$ 125,089 | \$ 71,740  | \$ 30,507  | \$ 22,712  | \$ 19,455  | \$ 16,437  |
| YTD \$     | \$ 20,475 | \$ 75,322 | \$ 161,393 | \$ 286,481 | \$ 419,126 | \$ 561,737 | \$ 686,826 | \$ 758,565 | \$ 789,072 | \$ 811,784 | \$ 831,239 | \$ 847,675 |
| BP Length  | 30        | 31        | 30         | 31         | 30         | 28         | 31         | 30         | 29         | 32         | 31         | 29         |
| HDD        | 98        | 355       | 787        | 916        | 1,181      | 1,307      | 939        | 374        | 105        | 27         | -          | 7          |
| CDD        | 71        | 4         | -          | -          | -          | -          | -          | 1          | 107        | 201        | 251        | 186        |
| Month Rate | \$ 21.713 | \$ 21.713 | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  |
| YTD Rate   | \$ 21.713 | \$ 21.713 | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  |

### SimActual vs. Adjusted Baseline

|           | Sep 2014 | Oct 2014 | Nov 2014 | Dec 2014 | Jan 2015 | Feb 2015 | Mar 2015 | Apr 2015 | May 2015 | Jun 2015 | Jul 2015 | Aug 2015 |
|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Month Use | -50.8%   | -34.0%   | -42.8%   | -27.1%   | -37.6%   | -38.1%   | -28.6%   | -15.8%   | -27.3%   | -29.5%   | -28.3%   | -37.8%   |
| YTD Use   | -50.8%   | -39.6%   | -41.3%   | -35.9%   | -36.4%   | -36.9%   | -35.5%   | -34.0%   | -33.8%   | -33.7%   | -33.6%   | -33.7%   |
| Month \$  | -50.8%   | -34.0%   | -42.8%   | -27.1%   | -37.6%   | -38.1%   | -28.6%   | -15.8%   | -27.3%   | -29.5%   | -28.3%   | -37.8%   |
| YTD \$    | -50.8%   | -39.6%   | -41.3%   | -35.9%   | -36.4%   | -36.9%   | -35.5%   | -34.0%   | -33.8%   | -33.7%   | -33.6%   | -33.7%   |
| BP Length | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| HDD       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| CDD       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |

### Use Avoidance

|           |     |       |       |       |        |        |        |        |        |        |        |        |
|-----------|-----|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| Month Use | 975 | 1,302 | 2,961 | 2,137 | 3,677  | 4,048  | 2,308  | 618    | 527    | 437    | 354    | 459    |
| YTD Use   | 975 | 2,276 | 5,237 | 7,374 | 11,051 | 15,099 | 17,407 | 18,025 | 18,552 | 18,988 | 19,342 | 19,802 |

### Cost Avoidance

|              |           |           |            |            |            |            |            |            |            |            |            |            |
|--------------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Month Use \$ | \$ 21,162 | \$ 28,267 | \$ 64,284  | \$ 46,402  | \$ 79,833  | \$ 87,904  | \$ 50,108  | \$ 13,416  | \$ 11,438  | \$ 9,482   | \$ 7,685   | \$ 9,977   |
| YTD \$       | \$ 21,162 | \$ 49,429 | \$ 113,713 | \$ 160,115 | \$ 239,948 | \$ 327,853 | \$ 377,960 | \$ 391,376 | \$ 402,814 | \$ 412,296 | \$ 419,980 | \$ 429,957 |

# Meter Detail Report

Baseline: Usage and costs representative of the facility's operations for the baseline period as seen in the contract.

Adjusted Baseline: Baseline usage and Cost adjusted to conditions of the current year. (Includes: weather, number of billing days and Facility Changes)

SimActual: Current year usage and calculated costs using the applicable contract rate.

## Meter: PA 1-04 Electric

### Baseline

|            | Sep 2006 | Oct 2006  | Nov 2006  | Dec 2006  | Jan 2006  | Feb 2006  | Mar 2006  | Apr 2006  | May 2006  | Jun 2006  | Jul 2006  | Aug 2006  |
|------------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Month Use  | 53,333   | 57,067    | 60,000    | 64,823    | 55,994    | 53,667    | 57,000    | 51,533    | 51,133    | 51,067    | 62,867    | 56,533    |
| YTD Use    | 53,333   | 110,400   | 170,400   | 235,223   | 291,217   | 344,884   | 401,884   | 453,417   | 504,550   | 555,617   | 618,484   | 675,017   |
| Month \$   | \$ 6,072 | \$ 6,497  | \$ 6,831  | \$ 7,380  | \$ 6,375  | \$ 6,110  | \$ 6,489  | \$ 5,867  | \$ 5,821  | \$ 5,814  | \$ 7,157  | \$ 6,436  |
| YTD \$     | \$ 6,072 | \$ 12,569 | \$ 19,400 | \$ 26,780 | \$ 33,155 | \$ 39,265 | \$ 45,754 | \$ 51,621 | \$ 57,442 | \$ 63,256 | \$ 70,413 | \$ 76,849 |
| BP Length  | 30       | 31        | 30        | 31        | 31        | 28        | 31        | 30        | 31        | 30        | 31        | 31        |
| HDD        | 134      | 442       | 604       | 812       | 833       | 969       | 832       | 349       | 236       | 47        | 4         | -         |
| CDD        | 12       | -         | -         | -         | -         | -         | -         | -         | 42        | 83        | 263       | 266       |
| Month Rate | \$ 0.114 | \$ 0.114  | \$ 0.114  | \$ 0.114  | \$ 0.114  | \$ 0.114  | \$ 0.114  | \$ 0.114  | \$ 0.114  | \$ 0.114  | \$ 0.114  | \$ 0.114  |
| YTD Rate   | \$ 0.114 | \$ 0.114  | \$ 0.114  | \$ 0.114  | \$ 0.114  | \$ 0.114  | \$ 0.114  | \$ 0.114  | \$ 0.114  | \$ 0.114  | \$ 0.114  | \$ 0.114  |

### Adjusted Baseline

|            | Sep 2014 | Oct 2014  | Nov 2014  | Dec 2014  | Jan 2015  | Feb 2015  | Mar 2015  | Apr 2015  | May 2015  | Jun 2015  | Jul 2015  | Aug 2015  |
|------------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Month Use  | 53,333   | 57,067    | 60,000    | 64,823    | 55,994    | 53,667    | 57,000    | 51,533    | 51,133    | 51,067    | 62,867    | 56,533    |
| YTD Use    | 53,333   | 110,400   | 170,400   | 235,223   | 291,217   | 344,884   | 401,884   | 453,417   | 504,550   | 555,617   | 618,484   | 675,017   |
| Month \$   | \$ 6,072 | \$ 6,497  | \$ 6,831  | \$ 7,380  | \$ 6,375  | \$ 6,110  | \$ 6,489  | \$ 5,867  | \$ 5,821  | \$ 5,814  | \$ 7,157  | \$ 6,436  |
| YTD \$     | \$ 6,072 | \$ 12,569 | \$ 19,400 | \$ 26,780 | \$ 33,154 | \$ 39,264 | \$ 45,753 | \$ 51,620 | \$ 57,442 | \$ 63,256 | \$ 70,413 | \$ 76,849 |
| BP Length  | 30       | 31        | 30        | 31        | 31        | 28        | 31        | 30        | 31        | 30        | 31        | 31        |
| HDD        | 98       | 355       | 787       | 916       | 1,230     | 1,310     | 906       | 365       | 95        | 27        | -         | 7         |
| CDD        | 71       | 4         | -         | -         | -         | -         | -         | 1         | 129       | 184       | 257       | 203       |
| Month Rate | \$ 0.114 | \$ 0.114  | \$ 0.114  | \$ 0.114  | \$ 0.114  | \$ 0.114  | \$ 0.114  | \$ 0.114  | \$ 0.114  | \$ 0.114  | \$ 0.114  | \$ 0.114  |
| YTD Rate   | \$ 0.114 | \$ 0.114  | \$ 0.114  | \$ 0.114  | \$ 0.114  | \$ 0.114  | \$ 0.114  | \$ 0.114  | \$ 0.114  | \$ 0.114  | \$ 0.114  | \$ 0.114  |

### SimActual

|            | Sep 2014 | Oct 2014 | Nov 2014 | Dec 2014 | Jan 2015 | Feb 2015 | Mar 2015 | Apr 2015 | May 2015 | Jun 2015 | Jul 2015 | Aug 2015 |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Month Use  | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| YTD Use    | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| Month \$   | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     |
| YTD \$     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     |
| BP Length  | 30       | 31       | 30       | 31       | 31       | 28       | 31       | 30       | 31       | 30       | 31       | 31       |
| HDD        | 98       | 355      | 787      | 916      | 1,230    | 1,310    | 906      | 365      | 95       | 27       | -        | 7        |
| CDD        | 71       | 4        | -        | -        | -        | -        | -        | 1        | 129      | 184      | 257      | 203      |
| Month Rate | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     |
| YTD Rate   | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     |

### SimActual vs. Adjusted Baseline

|           | Sep 2014 | Oct 2014 | Nov 2014 | Dec 2014 | Jan 2015 | Feb 2015 | Mar 2015 | Apr 2015 | May 2015 | Jun 2015 | Jul 2015 | Aug 2015 |
|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Month Use | -100.0%  | -100.0%  | -100.0%  | -100.0%  | -100.0%  | -100.0%  | -100.0%  | -100.0%  | -100.0%  | -100.0%  | -100.0%  | -100.0%  |
| YTD Use   | -100.0%  | -100.0%  | -100.0%  | -100.0%  | -100.0%  | -100.0%  | -100.0%  | -100.0%  | -100.0%  | -100.0%  | -100.0%  | -100.0%  |
| Month \$  | -100.0%  | -100.0%  | -100.0%  | -100.0%  | -100.0%  | -100.0%  | -100.0%  | -100.0%  | -100.0%  | -100.0%  | -100.0%  | -100.0%  |
| YTD \$    | -100.0%  | -100.0%  | -100.0%  | -100.0%  | -100.0%  | -100.0%  | -100.0%  | -100.0%  | -100.0%  | -100.0%  | -100.0%  | -100.0%  |
| BP Length | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| HDD       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| CDD       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |

### Use Avoidance

|           |        |         |         |         |         |         |         |         |         |         |         |         |
|-----------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Month Use | 53,333 | 57,067  | 60,000  | 64,823  | 55,994  | 53,667  | 57,000  | 51,533  | 51,133  | 51,067  | 62,867  | 56,533  |
| YTD Use   | 53,333 | 110,400 | 170,400 | 235,223 | 291,217 | 344,884 | 401,884 | 453,417 | 504,550 | 555,617 | 618,484 | 675,017 |

### Cost Avoidance

|              |          |           |           |           |           |           |           |           |           |           |           |           |
|--------------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Month Use \$ | \$ 6,072 | \$ 6,497  | \$ 6,831  | \$ 7,380  | \$ 6,375  | \$ 6,110  | \$ 6,489  | \$ 5,867  | \$ 5,821  | \$ 5,814  | \$ 7,157  | \$ 6,436  |
| YTD \$       | \$ 6,072 | \$ 12,569 | \$ 19,400 | \$ 26,780 | \$ 33,154 | \$ 39,264 | \$ 45,753 | \$ 51,620 | \$ 57,442 | \$ 63,256 | \$ 70,413 | \$ 76,849 |

# Meter Detail Report

Baseline: Usage and costs representative of the facility's operations for the baseline period as seen in the contract.

Adjusted Baseline: Baseline usage and Cost adjusted to conditions of the current year. (Includes: weather, number of billing days and Facility Changes)

SimActual: Current year usage and calculated costs using the applicable contract rate.

## Meter: PA 1-04 Gas

### Baseline

|            | Sep 2006  | Oct 2006  | Nov 2006  | Dec 2006  | Jan 2006   | Feb 2006   | Mar 2006   | Apr 2006   | May 2006   | Jun 2006   | Jul 2006   | Aug 2006   |
|------------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|
| Month Use  | 253       | 1,199     | 1,067     | 1,765     | 1,747      | 1,650      | 1,537      | 1,010      | 470        | 214        | 405        | 174        |
| YTD Use    | 253       | 1,452     | 2,519     | 4,284     | 6,031      | 7,681      | 9,218      | 10,228     | 10,698     | 10,912     | 11,317     | 11,491     |
| Month \$   | \$ 5,027  | \$ 23,825 | \$ 21,202 | \$ 35,072 | \$ 34,714  | \$ 32,786  | \$ 30,541  | \$ 20,069  | \$ 9,339   | \$ 4,252   | \$ 8,048   | \$ 3,457   |
| YTD \$     | \$ 5,027  | \$ 28,852 | \$ 50,054 | \$ 85,126 | \$ 119,840 | \$ 152,626 | \$ 183,167 | \$ 203,236 | \$ 212,575 | \$ 216,827 | \$ 224,875 | \$ 228,332 |
| BP Length  | 30        | 31        | 30        | 31        | 31         | 28         | 31         | 30         | 31         | 30         | 31         | 31         |
| HDD        | 214       | 535       | 694       | 905       | 926        | 1,053      | 925        | 439        | 313        | 92         | 11         | 3          |
| CDD        | 12        | -         | -         | -         | -          | -          | -          | -          | 42         | 83         | 263        | -          |
| Month Rate | \$ 19.870 | \$ 19.871 | \$ 19.871 | \$ 19.871 | \$ 19.871  | \$ 19.870  | \$ 19.871  | \$ 19.870  | \$ 19.870  | \$ 19.869  | \$ 19.872  | \$ 19.868  |
| YTD Rate   | \$ 19.870 | \$ 19.871 | \$ 19.871 | \$ 19.871 | \$ 19.871  | \$ 19.871  | \$ 19.871  | \$ 19.871  | \$ 19.871  | \$ 19.871  | \$ 19.871  | \$ 19.871  |

### Adjusted Baseline

|            | Sep 2014  | Oct 2014  | Nov 2014  | Dec 2014  | Jan 2015   | Feb 2015   | Mar 2015   | Apr 2015   | May 2015   | Jun 2015   | Jul 2015   | Aug 2015   |
|------------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|
| Month Use  | 328       | 815       | 1,536     | 1,759     | 2,285      | 2,397      | 1,743      | 828        | 296        | 146        | 73         | 110        |
| YTD Use    | 328       | 1,143     | 2,679     | 4,438     | 6,723      | 9,121      | 10,863     | 11,692     | 11,987     | 12,133     | 12,206     | 12,316     |
| Month \$   | \$ 7,130  | \$ 17,685 | \$ 33,358 | \$ 38,188 | \$ 49,620  | \$ 52,054  | \$ 37,842  | \$ 17,981  | \$ 6,416   | \$ 3,168   | \$ 1,581   | \$ 2,381   |
| YTD \$     | \$ 7,130  | \$ 24,816 | \$ 58,174 | \$ 96,362 | \$ 145,982 | \$ 198,036 | \$ 235,878 | \$ 253,860 | \$ 260,276 | \$ 263,444 | \$ 265,026 | \$ 267,407 |
| BP Length  | 30        | 31        | 30        | 31        | 31         | 28         | 31         | 30         | 31         | 30         | 31         | 31         |
| HDD        | 156       | 445       | 877       | 1,009     | 1,323      | 1,394      | 999        | 454        | 135        | 47         | 2          | 24         |
| CDD        | 71        | 4         | -         | -         | -          | -          | -          | 1          | 129        | 184        | 257        | 203        |
| Month Rate | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  |
| YTD Rate   | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  |

### SimActual

|            | Sep 2014  | Oct 2014  | Nov 2014  | Dec 2014  | Jan 2015  | Feb 2015  | Mar 2015  | Apr 2015  | May 2015  | Jun 2015  | Jul 2015  | Aug 2015  |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Month Use  | 217       | 315       | 322       | 508       | 503       | 498       | 529       | 329       | 282       | 229       | 292       | 201       |
| YTD Use    | 217       | 532       | 854       | 1,362     | 1,865     | 2,363     | 2,892     | 3,221     | 3,503     | 3,732     | 4,024     | 4,225     |
| Month \$   | \$ 4,712  | \$ 6,840  | \$ 6,992  | \$ 11,030 | \$ 10,930 | \$ 10,802 | \$ 11,495 | \$ 7,135  | \$ 6,114  | \$ 4,972  | \$ 6,340  | \$ 4,364  |
| YTD \$     | \$ 4,712  | \$ 11,551 | \$ 18,543 | \$ 29,573 | \$ 40,503 | \$ 51,306 | \$ 62,801 | \$ 69,935 | \$ 76,050 | \$ 81,022 | \$ 87,362 | \$ 91,727 |
| BP Length  | 30        | 31        | 30        | 31        | 31        | 28        | 31        | 30        | 31        | 30        | 31        | 31        |
| HDD        | 156       | 445       | 877       | 1,009     | 1,323     | 1,394     | 999       | 454       | 135       | 47        | 2         | 24        |
| CDD        | 71        | 4         | -         | -         | -         | -         | -         | 1         | 129       | 184       | 257       | 203       |
| Month Rate | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 |
| YTD Rate   | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 |

### SimActual vs. Adjusted Baseline

|           | Sep 2014 | Oct 2014 | Nov 2014 | Dec 2014 | Jan 2015 | Feb 2015 | Mar 2015 | Apr 2015 | May 2015 | Jun 2015 | Jul 2015 | Aug 2015 |
|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Month Use | -33.9%   | -61.3%   | -79.0%   | -71.1%   | -78.0%   | -79.2%   | -69.6%   | -60.3%   | -4.7%    | 56.9%    | 300.9%   | 83.3%    |
| YTD Use   | -33.9%   | -53.5%   | -68.1%   | -69.3%   | -72.3%   | -74.1%   | -73.4%   | -72.5%   | -70.8%   | -69.2%   | -67.0%   | -65.7%   |
| Month \$  | -33.9%   | -61.3%   | -79.0%   | -71.1%   | -78.0%   | -79.2%   | -69.6%   | -60.3%   | -4.7%    | 56.9%    | 300.9%   | 83.3%    |
| YTD \$    | -33.9%   | -53.5%   | -68.1%   | -69.3%   | -72.3%   | -74.1%   | -73.4%   | -72.5%   | -70.8%   | -69.2%   | -67.0%   | -65.7%   |
| BP Length | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| HDD       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| CDD       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |

### Use Avoidance

|           |     |     |       |       |       |       |       |       |       |       |       |       |
|-----------|-----|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Month Use | 111 | 500 | 1,214 | 1,251 | 1,782 | 1,900 | 1,213 | 500   | 14    | (83)  | (219) | (91)  |
| YTD Use   | 111 | 611 | 1,825 | 3,076 | 4,858 | 6,758 | 7,971 | 8,471 | 8,485 | 8,402 | 8,182 | 8,091 |

### Cost Avoidance

|              |          |           |           |           |            |            |            |            |            |            |            |            |
|--------------|----------|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|
| Month Use \$ | \$ 2,419 | \$ 10,846 | \$ 26,367 | \$ 27,158 | \$ 38,690  | \$ 41,251  | \$ 26,348  | \$ 10,847  | \$ 302     | \$ (1,804) | \$ (4,759) | \$ (1,983) |
| YTD \$       | \$ 2,419 | \$ 13,264 | \$ 39,631 | \$ 66,789 | \$ 105,479 | \$ 146,730 | \$ 173,078 | \$ 183,925 | \$ 184,226 | \$ 182,422 | \$ 177,664 | \$ 175,680 |

# Meter Detail Report

Baseline: Usage and costs representative of the facility's operations for the baseline period as seen in the contract.

Adjusted Baseline: Baseline usage and Cost adjusted to conditions of the current year. (Includes: weather, number of billing days and Facility Changes)

SimActual: Current year usage and calculated costs using the applicable contract rate.

## Meter: PA 1-04 Water

### Baseline

|            | Sep 2006 | Oct 2006 | Nov 2006  | Dec 2006  | Jan 2006  | Feb 2006  | Mar 2006  | Apr 2006  | May 2006   | Jun 2006   | Jul 2006   | Aug 2006   |
|------------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|
| Month Use  | 342      | 373      | 386       | 483       | 511       | 1,491     | 685       | 5,634     | 1,639      | 490        | 686        | 635        |
| YTD Use    | 342      | 715      | 1,101     | 1,584     | 2,095     | 3,586     | 4,271     | 9,905     | 11,544     | 12,034     | 12,720     | 13,355     |
| Month \$   | \$ 3,170 | \$ 3,458 | \$ 3,578  | \$ 4,478  | \$ 4,737  | \$ 13,822 | \$ 6,350  | \$ 52,227 | \$ 15,194  | \$ 4,542   | \$ 6,359   | \$ 5,886   |
| YTD \$     | \$ 3,170 | \$ 6,628 | \$ 10,206 | \$ 14,684 | \$ 19,421 | \$ 33,243 | \$ 39,593 | \$ 91,820 | \$ 107,014 | \$ 111,556 | \$ 117,915 | \$ 123,801 |
| BP Length  | 30       | 31       | 30        | 31        | 31        | 28        | 31        | 30        | 31         | 30         | 31         | 31         |
| HDD        | 134      | 442      | 604       | 812       | 833       | 969       | 832       | 349       | 236        | 47         | 4          | -          |
| CDD        | 12       | -        | -         | -         | -         | -         | -         | -         | 42         | 83         | 263        | 266        |
| Month Rate | \$ 9.269 | \$ 9.271 | \$ 9.269  | \$ 9.271  | \$ 9.270  | \$ 9.270  | \$ 9.270  | \$ 9.270  | \$ 9.270   | \$ 9.270   | \$ 9.270   | \$ 9.269   |
| YTD Rate   | \$ 9.269 | \$ 9.270 | \$ 9.270  | \$ 9.270  | \$ 9.270  | \$ 9.270  | \$ 9.270  | \$ 9.270  | \$ 9.270   | \$ 9.270   | \$ 9.270   | \$ 9.270   |

### Adjusted Baseline

|            | Sep 2014  | Oct 2014  | Nov 2014  | Dec 2014  | Jan 2015  | Feb 2015  | Mar 2015  | Apr 2015   | May 2015   | Jun 2015   | Jul 2015   | Aug 2015   |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|------------|
| Month Use  | 342       | 373       | 386       | 483       | 511       | 1,491     | 685       | 5,634      | 1,639      | 490        | 686        | 635        |
| YTD Use    | 342       | 715       | 1,101     | 1,584     | 2,095     | 3,586     | 4,271     | 9,905      | 11,544     | 12,034     | 12,720     | 13,355     |
| Month \$   | \$ 3,464  | \$ 3,778  | \$ 3,910  | \$ 4,893  | \$ 5,176  | \$ 15,103 | \$ 6,939  | \$ 57,070  | \$ 16,602  | \$ 4,964   | \$ 6,949   | \$ 6,432   |
| YTD \$     | \$ 3,464  | \$ 7,243  | \$ 11,153 | \$ 16,045 | \$ 21,222 | \$ 36,325 | \$ 43,264 | \$ 100,334 | \$ 116,936 | \$ 121,900 | \$ 128,849 | \$ 135,281 |
| BP Length  | 30        | 31        | 30        | 31        | 31        | 28        | 31        | 30         | 31         | 30         | 31         | 31         |
| HDD        | 98        | 355       | 787       | 916       | 1,230     | 1,310     | 906       | 365        | 95         | 27         | -          | 7          |
| CDD        | 71        | 4         | -         | -         | -         | -         | -         | 1          | 129        | 184        | 257        | 203        |
| Month Rate | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130  | \$ 10.130  | \$ 10.130  | \$ 10.130  | \$ 10.130  |
| YTD Rate   | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130  | \$ 10.130  | \$ 10.130  | \$ 10.130  | \$ 10.130  |

### SimActual

|            | Sep 2014  | Oct 2014  | Nov 2014  | Dec 2014  | Jan 2015  | Feb 2015  | Mar 2015  | Apr 2015  | May 2015  | Jun 2015  | Jul 2015  | Aug 2015  |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Month Use  | 677       | 485       | 1,204     | 593       | -         | 596       | -         | -         | -         | -         | -         | 552       |
| YTD Use    | 677       | 1,162     | 2,366     | 2,959     | 2,959     | 3,555     | 3,555     | 3,555     | 3,555     | 3,555     | 3,555     | 4,107     |
| Month \$   | \$ 6,858  | \$ 4,913  | \$ 12,196 | \$ 6,007  | \$ -      | \$ 6,037  | \$ -      | \$ -      | \$ -      | \$ -      | \$ -      | \$ 5,592  |
| YTD \$     | \$ 6,858  | \$ 11,771 | \$ 23,967 | \$ 29,973 | \$ 29,973 | \$ 36,011 | \$ 36,011 | \$ 36,011 | \$ 36,011 | \$ 36,011 | \$ 36,011 | \$ 41,602 |
| BP Length  | 30        | 31        | 30        | 31        | 31        | 28        | 31        | 30        | 31        | 30        | 31        | 31        |
| HDD        | 98        | 355       | 787       | 916       | 1,230     | 1,310     | 906       | 365       | 95        | 27        | -         | 7         |
| CDD        | 71        | 4         | -         | -         | -         | -         | -         | 1         | 129       | 184       | 257       | 203       |
| Month Rate | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ -      | \$ 10.130 | \$ -      | \$ -      | \$ -      | \$ -      | \$ -      | \$ 10.130 |
| YTD Rate   | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 |

### SimActual vs. Adjusted Baseline

|           | Sep 2014 | Oct 2014 | Nov 2014 | Dec 2014 | Jan 2015 | Feb 2015 | Mar 2015 | Apr 2015 | May 2015 | Jun 2015 | Jul 2015 | Aug 2015 |
|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Month Use | 98.0%    | 30.0%    | 211.9%   | 22.8%    | -100.0%  | -60.0%   | -100.0%  | -100.0%  | -100.0%  | -100.0%  | -100.0%  | -13.1%   |
| YTD Use   | 98.0%    | 62.5%    | 114.9%   | 86.8%    | 41.2%    | -0.9%    | -16.8%   | -64.1%   | -69.2%   | -70.5%   | -72.1%   | -69.2%   |
| Month \$  | 98.0%    | 30.0%    | 211.9%   | 22.8%    | -100.0%  | -60.0%   | -100.0%  | -100.0%  | -100.0%  | -100.0%  | -100.0%  | -13.1%   |
| YTD \$    | 98.0%    | 62.5%    | 114.9%   | 86.8%    | 41.2%    | -0.9%    | -16.8%   | -64.1%   | -69.2%   | -70.5%   | -72.1%   | -69.2%   |
| BP Length | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| HDD       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| CDD       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |

### Use Avoidance

|           |       |       |         |         |       |     |     |       |       |       |       |       |
|-----------|-------|-------|---------|---------|-------|-----|-----|-------|-------|-------|-------|-------|
| Month Use | (335) | (112) | (818)   | (110)   | 511   | 895 | 685 | 5,634 | 1,639 | 490   | 686   | 83    |
| YTD Use   | (335) | (447) | (1,265) | (1,375) | (864) | 31  | 716 | 6,350 | 7,989 | 8,479 | 9,165 | 9,248 |

### Cost Avoidance

|              |            |            |             |             |            |          |          |           |           |           |           |           |
|--------------|------------|------------|-------------|-------------|------------|----------|----------|-----------|-----------|-----------|-----------|-----------|
| Month Use \$ | \$ (3,393) | \$ (1,135) | \$ (8,286)  | \$ (1,114)  | \$ 5,176   | \$ 9,066 | \$ 6,939 | \$ 57,070 | \$ 16,602 | \$ 4,964  | \$ 6,949  | \$ 841    |
| YTD \$       | \$ (3,393) | \$ (4,528) | \$ (12,814) | \$ (13,928) | \$ (8,752) | \$ 314   | \$ 7,253 | \$ 64,323 | \$ 80,925 | \$ 85,889 | \$ 92,838 | \$ 93,679 |

# Meter Detail Report

Baseline: Usage and costs representative of the facility's operations for the baseline period as seen in the contract.

Adjusted Baseline: Baseline usage and Cost adjusted to conditions of the current year. (Includes: weather, number of billing days and Facility Changes)

SimActual: Current year usage and calculated costs using the applicable contract rate.

## Meter: PA 1-05 Gas

### Baseline

|            | Sep 2006  | Oct 2006  | Nov 2006  | Dec 2006   | Jan 2006   | Feb 2006   | Mar 2006   | Apr 2006   | May 2006   | Jun 2006   | Jul 2006   | Aug 2006   |
|------------|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Month Use  | 173       | 828       | 1,700     | 2,652      | 3,391      | 2,598      | 3,244      | 1,336      | 921        | 134        | 80         | 157        |
| YTD Use    | 173       | 1,001     | 2,701     | 5,353      | 8,744      | 11,342     | 14,586     | 15,922     | 16,843     | 16,977     | 17,057     | 17,214     |
| Month \$   | \$ 3,438  | \$ 16,453 | \$ 33,780 | \$ 52,696  | \$ 67,381  | \$ 51,624  | \$ 64,460  | \$ 26,547  | \$ 18,301  | \$ 2,663   | \$ 1,590   | \$ 3,120   |
| YTD \$     | \$ 3,438  | \$ 19,891 | \$ 53,671 | \$ 106,367 | \$ 173,748 | \$ 225,372 | \$ 289,832 | \$ 316,379 | \$ 334,680 | \$ 337,343 | \$ 338,933 | \$ 342,053 |
| BP Length  | 30        | 31        | 30        | 31         | 31         | 28         | 31         | 30         | 31         | 30         | 31         | 31         |
| HDD        | 92        | 382       | 544       | 750        | 771        | 913        | 770        | 293        | 188        | 30         | -          | -          |
| CDD        | 12        | -         | -         | -          | -          | -          | -          | -          | 42         | 83         | 263        | 266        |
| Month Rate | \$ 19.873 | \$ 19.871 | \$ 19.871 | \$ 19.870  | \$ 19.871  | \$ 19.871  | \$ 19.871  | \$ 19.871  | \$ 19.871  | \$ 19.873  | \$ 19.875  | \$ 19.871  |
| YTD Rate   | \$ 19.873 | \$ 19.871 | \$ 19.871 | \$ 19.871  | \$ 19.871  | \$ 19.871  | \$ 19.871  | \$ 19.871  | \$ 19.871  | \$ 19.871  | \$ 19.871  | \$ 19.871  |

### Adjusted Baseline

|            | Sep 2014  | Oct 2014  | Nov 2014  | Dec 2014   | Jan 2015   | Feb 2015   | Mar 2015   | Apr 2015   | May 2015   | Jun 2015   | Jul 2015   | Aug 2015   |
|------------|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Month Use  | 285       | 1,091     | 2,569     | 3,008      | 4,096      | 4,388      | 2,975      | 1,121      | 306        | 116        | 55         | 62         |
| YTD Use    | 285       | 1,376     | 3,945     | 6,953      | 11,049     | 15,437     | 18,412     | 19,533     | 19,839     | 19,954     | 20,010     | 20,072     |
| Month \$   | \$ 6,191  | \$ 23,695 | \$ 55,770 | \$ 65,311  | \$ 88,937  | \$ 95,281  | \$ 64,598  | \$ 24,333  | \$ 6,643   | \$ 2,511   | \$ 1,197   | \$ 1,347   |
| YTD \$     | \$ 6,191  | \$ 29,887 | \$ 85,657 | \$ 150,968 | \$ 239,905 | \$ 335,186 | \$ 399,784 | \$ 424,116 | \$ 430,760 | \$ 433,270 | \$ 434,467 | \$ 435,814 |
| BP Length  | 30        | 31        | 30        | 31         | 31         | 28         | 31         | 30         | 31         | 30         | 31         | 31         |
| HDD        | 67        | 300       | 727       | 854        | 1,168      | 1,254      | 844        | 309        | 73         | 18         | -          | 2          |
| CDD        | 71        | 4         | -         | -          | -          | -          | -          | 1          | 129        | 184        | 257        | 203        |
| Month Rate | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  |
| YTD Rate   | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  |

### SimActual

|            | Sep 2014  | Oct 2014  | Nov 2014  | Dec 2014   | Jan 2015   | Feb 2015   | Mar 2015   | Apr 2015   | May 2015   | Jun 2015   | Jul 2015   | Aug 2015   |
|------------|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Month Use  | 70        | 1,153     | 2,151     | 3,271      | 3,437      | 3,342      | 2,993      | 1,486      | 357        | 65         | 38         | 35         |
| YTD Use    | 70        | 1,223     | 3,374     | 6,645      | 10,082     | 13,424     | 16,417     | 17,903     | 18,260     | 18,325     | 18,364     | 18,399     |
| Month \$   | \$ 1,520  | \$ 25,035 | \$ 46,705 | \$ 71,023  | \$ 74,629  | \$ 72,565  | \$ 64,985  | \$ 32,270  | \$ 7,758   | \$ 1,411   | \$ 832     | \$ 758     |
| YTD \$     | \$ 1,520  | \$ 26,555 | \$ 73,260 | \$ 144,283 | \$ 218,912 | \$ 291,477 | \$ 356,461 | \$ 388,731 | \$ 396,489 | \$ 397,901 | \$ 398,732 | \$ 399,490 |
| BP Length  | 30        | 31        | 30        | 31         | 31         | 28         | 31         | 30         | 31         | 30         | 31         | 31         |
| HDD        | 67        | 300       | 727       | 854        | 1,168      | 1,254      | 844        | 309        | 73         | 18         | -          | 2          |
| CDD        | 71        | 4         | -         | -          | -          | -          | -          | 1          | 129        | 184        | 257        | 203        |
| Month Rate | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  |
| YTD Rate   | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  |

### SimActual vs. Adjusted Baseline

|           | Sep 2014 | Oct 2014 | Nov 2014 | Dec 2014 | Jan 2015 | Feb 2015 | Mar 2015 | Apr 2015 | May 2015 | Jun 2015 | Jul 2015 | Aug 2015 |
|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Month Use | -75.5%   | 5.7%     | -16.3%   | 8.7%     | -16.1%   | -23.8%   | 0.6%     | 32.6%    | 16.8%    | -43.8%   | -30.5%   | -43.8%   |
| YTD Use   | -75.5%   | -11.1%   | -14.5%   | -4.4%    | -8.8%    | -13.0%   | -10.8%   | -8.3%    | -8.0%    | -8.2%    | -8.2%    | -8.3%    |
| Month \$  | -75.5%   | 5.7%     | -16.3%   | 8.7%     | -16.1%   | -23.8%   | 0.6%     | 32.6%    | 16.8%    | -43.8%   | -30.5%   | -43.8%   |
| YTD \$    | -75.5%   | -11.1%   | -14.5%   | -4.4%    | -8.8%    | -13.0%   | -10.8%   | -8.3%    | -8.0%    | -8.2%    | -8.2%    | -8.3%    |
| BP Length | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| HDD       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| CDD       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |

### Use Avoidance

|           |     |      |     |       |     |       |       |       |       |       |       |       |
|-----------|-----|------|-----|-------|-----|-------|-------|-------|-------|-------|-------|-------|
| Month Use | 215 | (62) | 418 | (263) | 659 | 1,046 | (18)  | (366) | (51)  | 51    | 17    | 27    |
| YTD Use   | 215 | 153  | 571 | 308   | 967 | 2,013 | 1,995 | 1,630 | 1,578 | 1,629 | 1,646 | 1,673 |

### Cost Avoidance

|              |          |            |           |            |           |           |           |            |            |           |           |           |
|--------------|----------|------------|-----------|------------|-----------|-----------|-----------|------------|------------|-----------|-----------|-----------|
| Month Use \$ | \$ 4,671 | \$ (1,340) | \$ 9,066  | \$ (5,712) | \$ 14,308 | \$ 22,716 | \$ (387)  | \$ (7,937) | \$ (1,115) | \$ 1,099  | \$ 365    | \$ 589    |
| YTD \$       | \$ 4,671 | \$ 3,332   | \$ 12,397 | \$ 6,685   | \$ 20,993 | \$ 43,709 | \$ 43,322 | \$ 35,385  | \$ 34,270  | \$ 35,369 | \$ 35,735 | \$ 36,324 |

# Meter Detail Report

Baseline: Usage and costs representative of the facility's operations for the baseline period as seen in the contract.

Adjusted Baseline: Baseline usage and Cost adjusted to conditions of the current year. (Includes: weather, number of billing days and Facility Changes)

SimActual: Current year usage and calculated costs using the applicable contract rate.

## Meter: PA 1-05 Water

### Baseline

|            | Sep 2006 | Oct 2006  | Nov 2006  | Dec 2006  | Jan 2006  | Feb 2006  | Mar 2006  | Apr 2006  | May 2006  | Jun 2006  | Jul 2006  | Aug 2006  |
|------------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Month Use  | 821      | 680       | 613       | 831       | 1,120     | 678       | 415       | 1,364     | 558       | 1,490     | 845       | 906       |
| YTD Use    | 821      | 1,501     | 2,114     | 2,945     | 4,065     | 4,743     | 5,158     | 6,522     | 7,080     | 8,570     | 9,415     | 10,321    |
| Month \$   | \$ 7,611 | \$ 6,304  | \$ 5,683  | \$ 7,706  | \$ 10,382 | \$ 6,285  | \$ 3,847  | \$ 12,644 | \$ 5,173  | \$ 13,812 | \$ 7,833  | \$ 8,399  |
| YTD \$     | \$ 7,611 | \$ 13,915 | \$ 19,598 | \$ 27,304 | \$ 37,686 | \$ 43,971 | \$ 47,818 | \$ 60,462 | \$ 65,635 | \$ 79,447 | \$ 87,280 | \$ 95,679 |
| BP Length  | 30       | 31        | 30        | 31        | 31        | 28        | 31        | 30        | 31        | 30        | 31        | 31        |
| HDD        | 134      | 442       | 604       | 812       | 833       | 969       | 832       | 349       | 236       | 47        | 4         | -         |
| CDD        | 12       | -         | -         | -         | -         | -         | -         | -         | 42        | 83        | 263       | 266       |
| Month Rate | \$ 9.270 | \$ 9.271  | \$ 9.271  | \$ 9.273  | \$ 9.270  | \$ 9.270  | \$ 9.270  | \$ 9.270  | \$ 9.271  | \$ 9.270  | \$ 9.270  | \$ 9.270  |
| YTD Rate   | \$ 9.270 | \$ 9.270  | \$ 9.271  | \$ 9.271  | \$ 9.271  | \$ 9.271  | \$ 9.271  | \$ 9.270  | \$ 9.270  | \$ 9.270  | \$ 9.270  | \$ 9.270  |

### Adjusted Baseline

|            | Sep 2014  | Oct 2014  | Nov 2014  | Dec 2014  | Jan 2015  | Feb 2015  | Mar 2015  | Apr 2015  | May 2015  | Jun 2015  | Jul 2015  | Aug 2015   |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|
| Month Use  | 821       | 680       | 613       | 831       | 1,120     | 678       | 415       | 1,364     | 558       | 1,490     | 845       | 906        |
| YTD Use    | 821       | 1,501     | 2,114     | 2,945     | 4,065     | 4,743     | 5,158     | 6,522     | 7,080     | 8,570     | 9,415     | 10,321     |
| Month \$   | \$ 8,316  | \$ 6,888  | \$ 6,209  | \$ 8,418  | \$ 11,345 | \$ 6,868  | \$ 4,204  | \$ 13,817 | \$ 5,652  | \$ 15,093 | \$ 8,560  | \$ 9,177   |
| YTD \$     | \$ 8,316  | \$ 15,205 | \$ 21,414 | \$ 29,832 | \$ 41,177 | \$ 48,045 | \$ 52,248 | \$ 66,065 | \$ 71,718 | \$ 86,811 | \$ 95,370 | \$ 104,548 |
| BP Length  | 30        | 31        | 30        | 31        | 31        | 28        | 31        | 30        | 31        | 30        | 31        | 31         |
| HDD        | 98        | 355       | 787       | 916       | 1,230     | 1,310     | 906       | 365       | 95        | 27        | -         | 7          |
| CDD        | 71        | 4         | -         | -         | -         | -         | -         | 1         | 129       | 184       | 257       | 203        |
| Month Rate | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130  |
| YTD Rate   | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130  |

### SimActual

|            | Sep 2014  | Oct 2014  | Nov 2014  | Dec 2014  | Jan 2015  | Feb 2015  | Mar 2015  | Apr 2015  | May 2015  | Jun 2015  | Jul 2015  | Aug 2015  |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Month Use  | 435       | 499       | 1,002     | 779       | 980       | 829       | 201       | 630       | 489       | 514       | 561       | 550       |
| YTD Use    | 435       | 934       | 1,936     | 2,715     | 3,695     | 4,524     | 4,725     | 5,355     | 5,844     | 6,358     | 6,919     | 7,469     |
| Month \$   | \$ 4,406  | \$ 5,055  | \$ 10,150 | \$ 7,891  | \$ 9,927  | \$ 8,397  | \$ 2,036  | \$ 6,382  | \$ 4,953  | \$ 5,207  | \$ 5,683  | \$ 5,571  |
| YTD \$     | \$ 4,406  | \$ 9,461  | \$ 19,611 | \$ 27,502 | \$ 37,429 | \$ 45,826 | \$ 47,862 | \$ 54,244 | \$ 59,197 | \$ 64,404 | \$ 70,087 | \$ 75,658 |
| BP Length  | 30        | 31        | 30        | 31        | 31        | 28        | 31        | 30        | 31        | 30        | 31        | 31        |
| HDD        | 98        | 355       | 787       | 916       | 1,230     | 1,310     | 906       | 365       | 95        | 27        | -         | 7         |
| CDD        | 71        | 4         | -         | -         | -         | -         | -         | 1         | 129       | 184       | 257       | 203       |
| Month Rate | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 |
| YTD Rate   | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 |

### SimActual vs. Adjusted Baseline

|           | Sep 2014 | Oct 2014 | Nov 2014 | Dec 2014 | Jan 2015 | Feb 2015 | Mar 2015 | Apr 2015 | May 2015 | Jun 2015 | Jul 2015 | Aug 2015 |
|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Month Use | -47.0%   | -26.6%   | 63.5%    | -6.3%    | -12.5%   | 22.3%    | -51.6%   | -53.8%   | -12.4%   | -65.5%   | -33.6%   | -39.3%   |
| YTD Use   | -47.0%   | -37.8%   | -8.4%    | -7.8%    | -9.1%    | -4.6%    | -8.4%    | -17.9%   | -17.5%   | -25.8%   | -26.5%   | -27.6%   |
| Month \$  | -47.0%   | -26.6%   | 63.5%    | -6.3%    | -12.5%   | 22.3%    | -51.6%   | -53.8%   | -12.4%   | -65.5%   | -33.6%   | -39.3%   |
| YTD \$    | -47.0%   | -37.8%   | -8.4%    | -7.8%    | -9.1%    | -4.6%    | -8.4%    | -17.9%   | -17.5%   | -25.8%   | -26.5%   | -27.6%   |
| BP Length | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| HDD       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| CDD       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |

### Use Avoidance

|           |     |     |       |     |     |       |     |       |       |       |       |       |
|-----------|-----|-----|-------|-----|-----|-------|-----|-------|-------|-------|-------|-------|
| Month Use | 386 | 181 | (389) | 52  | 140 | (151) | 214 | 734   | 69    | 976   | 284   | 356   |
| YTD Use   | 386 | 567 | 178   | 230 | 370 | 219   | 433 | 1,167 | 1,236 | 2,212 | 2,496 | 2,852 |

### Cost Avoidance

|              |          |          |            |          |          |            |          |           |           |           |           |           |
|--------------|----------|----------|------------|----------|----------|------------|----------|-----------|-----------|-----------|-----------|-----------|
| Month Use \$ | \$ 3,910 | \$ 1,833 | \$ (3,940) | \$ 527   | \$ 1,418 | \$ (1,530) | \$ 2,168 | \$ 7,435  | \$ 699    | \$ 9,886  | \$ 2,877  | \$ 3,606  |
| YTD \$       | \$ 3,910 | \$ 5,743 | \$ 1,803   | \$ 2,330 | \$ 3,748 | \$ 2,218   | \$ 4,386 | \$ 11,821 | \$ 12,520 | \$ 22,407 | \$ 25,283 | \$ 28,890 |

# Meter Detail Report

Baseline: Usage and costs representative of the facility's operations for the baseline period as seen in the contract.

Adjusted Baseline: Baseline usage and Cost adjusted to conditions of the current year. (Includes: weather, number of billing days and Facility Changes)

SimActual: Current year usage and calculated costs using the applicable contract rate.

## Meter: PA 1-09 Electric

### Baseline

|            | Sep 2006  | Oct 2006  | Nov 2006   | Dec 2006   | Jan 2006   | Feb 2006   | Mar 2006   | Apr 2006   | May 2006   | Jun 2006   | Jul 2006   | Aug 2006   |
|------------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Month Use  | 341,938   | 352,979   | 383,458    | 443,435    | 381,698    | 375,752    | 371,218    | 327,657    | 363,217    | 368,472    | 380,818    | 374,790    |
| YTD Use    | 341,938   | 694,917   | 1,078,375  | 1,521,810  | 1,903,508  | 2,279,260  | 2,650,478  | 2,978,135  | 3,341,352  | 3,709,824  | 4,090,642  | 4,465,432  |
| Month \$   | \$ 38,929 | \$ 40,186 | \$ 43,656  | \$ 50,484  | \$ 43,456  | \$ 42,779  | \$ 42,262  | \$ 37,303  | \$ 41,352  | \$ 41,950  | \$ 43,355  | \$ 42,669  |
| YTD \$     | \$ 38,929 | \$ 79,115 | \$ 122,771 | \$ 173,255 | \$ 216,711 | \$ 259,490 | \$ 301,752 | \$ 339,055 | \$ 380,407 | \$ 422,357 | \$ 465,712 | \$ 508,381 |
| BP Length  | 30        | 31        | 30         | 31         | 31         | 28         | 31         | 30         | 31         | 30         | 31         | 31         |
| HDD        | 134       | 442       | 604        | 812        | 833        | 969        | 832        | 349        | 236        | 47         | 4          | -          |
| CDD        | 12        | -         | -          | -          | -          | -          | -          | -          | 42         | 83         | 263        | 266        |
| Month Rate | \$ 0.114  | \$ 0.114  | \$ 0.114   | \$ 0.114   | \$ 0.114   | \$ 0.114   | \$ 0.114   | \$ 0.114   | \$ 0.114   | \$ 0.114   | \$ 0.114   | \$ 0.114   |
| YTD Rate   | \$ 0.114  | \$ 0.114  | \$ 0.114   | \$ 0.114   | \$ 0.114   | \$ 0.114   | \$ 0.114   | \$ 0.114   | \$ 0.114   | \$ 0.114   | \$ 0.114   | \$ 0.114   |

### Adjusted Baseline

|            | Sep 2014  | Oct 2014  | Nov 2014   | Dec 2014   | Jan 2015   | Feb 2015   | Mar 2015   | Apr 2015   | May 2015   | Jun 2015   | Jul 2015   | Aug 2015   |
|------------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Month Use  | 341,938   | 352,979   | 383,458    | 443,435    | 381,698    | 375,752    | 371,218    | 327,657    | 363,217    | 368,472    | 380,818    | 374,790    |
| YTD Use    | 341,938   | 694,917   | 1,078,375  | 1,521,810  | 1,903,508  | 2,279,260  | 2,650,478  | 2,978,135  | 3,341,352  | 3,709,824  | 4,090,642  | 4,465,432  |
| Month \$   | \$ 38,930 | \$ 40,187 | \$ 43,657  | \$ 50,485  | \$ 43,456  | \$ 42,779  | \$ 42,263  | \$ 37,304  | \$ 41,352  | \$ 41,951  | \$ 43,356  | \$ 42,670  |
| YTD \$     | \$ 38,930 | \$ 79,116 | \$ 122,773 | \$ 173,258 | \$ 216,714 | \$ 259,494 | \$ 301,757 | \$ 339,061 | \$ 380,413 | \$ 422,363 | \$ 465,720 | \$ 508,389 |
| BP Length  | 30        | 31        | 30         | 31         | 31         | 28         | 31         | 30         | 31         | 30         | 31         | 31         |
| HDD        | 98        | 355       | 787        | 916        | 1,230      | 1,310      | 906        | 365        | 95         | 27         | -          | 7          |
| CDD        | 71        | 4         | -          | -          | -          | -          | -          | 1          | 129        | 184        | 257        | 203        |
| Month Rate | \$ 0.114  | \$ 0.114  | \$ 0.114   | \$ 0.114   | \$ 0.114   | \$ 0.114   | \$ 0.114   | \$ 0.114   | \$ 0.114   | \$ 0.114   | \$ 0.114   | \$ 0.114   |
| YTD Rate   | \$ 0.114  | \$ 0.114  | \$ 0.114   | \$ 0.114   | \$ 0.114   | \$ 0.114   | \$ 0.114   | \$ 0.114   | \$ 0.114   | \$ 0.114   | \$ 0.114   | \$ 0.114   |

### SimActual

|            | Sep 2014  | Oct 2014   | Nov 2014   | Dec 2014   | Jan 2015   | Feb 2015   | Mar 2015   | Apr 2015   | May 2015   | Jun 2015   | Jul 2015   | Aug 2015   |
|------------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Month Use  | 439,520   | 564,120    | 739,495    | 989,661    | 96,644     | 1,138,832  | 765,815    | 449,268    | 493,001    | 574,662    | 595,022    | 617,848    |
| YTD Use    | 439,520   | 1,003,640  | 1,743,135  | 2,732,796  | 2,829,439  | 3,968,271  | 4,734,086  | 5,183,354  | 5,676,355  | 6,251,016  | 6,846,038  | 7,463,886  |
| Month \$   | \$ 50,039 | \$ 64,225  | \$ 84,192  | \$ 112,673 | \$ 11,003  | \$ 129,656 | \$ 87,188  | \$ 51,149  | \$ 56,128  | \$ 65,425  | \$ 67,743  | \$ 70,342  |
| YTD \$     | \$ 50,039 | \$ 114,264 | \$ 198,456 | \$ 311,129 | \$ 322,132 | \$ 451,788 | \$ 538,976 | \$ 590,125 | \$ 646,253 | \$ 711,678 | \$ 779,421 | \$ 849,763 |
| BP Length  | 30        | 31         | 30         | 31         | 31         | 28         | 31         | 30         | 31         | 30         | 31         | 31         |
| HDD        | 98        | 355        | 787        | 916        | 1,230      | 1,310      | 906        | 365        | 95         | 27         | -          | 7          |
| CDD        | 71        | 4          | -          | -          | -          | -          | -          | 1          | 129        | 184        | 257        | 203        |
| Month Rate | \$ 0.114  | \$ 0.114   | \$ 0.114   | \$ 0.114   | \$ 0.114   | \$ 0.114   | \$ 0.114   | \$ 0.114   | \$ 0.114   | \$ 0.114   | \$ 0.114   | \$ 0.114   |
| YTD Rate   | \$ 0.114  | \$ 0.114   | \$ 0.114   | \$ 0.114   | \$ 0.114   | \$ 0.114   | \$ 0.114   | \$ 0.114   | \$ 0.114   | \$ 0.114   | \$ 0.114   | \$ 0.114   |

### SimActual vs. Adjusted Baseline

|           | Sep 2014 | Oct 2014 | Nov 2014 | Dec 2014 | Jan 2015 | Feb 2015 | Mar 2015 | Apr 2015 | May 2015 | Jun 2015 | Jul 2015 | Aug 2015 |
|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Month Use | 28.5%    | 59.8%    | 92.8%    | 123.2%   | -74.7%   | 203.1%   | 106.3%   | 37.1%    | 35.7%    | 56.0%    | 56.2%    | 64.9%    |
| YTD Use   | 28.5%    | 44.4%    | 61.6%    | 79.6%    | 48.6%    | 74.1%    | 78.6%    | 74.0%    | 69.9%    | 68.5%    | 67.4%    | 67.1%    |
| Month \$  | 28.5%    | 59.8%    | 92.8%    | 123.2%   | -74.7%   | 203.1%   | 106.3%   | 37.1%    | 35.7%    | 56.0%    | 56.2%    | 64.9%    |
| YTD \$    | 28.5%    | 44.4%    | 61.6%    | 79.6%    | 48.6%    | 74.1%    | 78.6%    | 74.0%    | 69.9%    | 68.5%    | 67.4%    | 67.1%    |
| BP Length | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| HDD       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| CDD       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |

### Use Avoidance

|           |          |           |           |             |           |             |             |             |             |             |             |             |
|-----------|----------|-----------|-----------|-------------|-----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Month Use | (97,582) | (211,141) | (356,037) | (546,226)   | 285,054   | (763,080)   | (394,597)   | (121,611)   | (129,784)   | (206,190)   | (214,204)   | (243,058)   |
| YTD Use   | (97,582) | (308,723) | (664,760) | (1,210,986) | (925,931) | (1,689,011) | (2,083,608) | (2,205,219) | (2,335,003) | (2,541,192) | (2,755,396) | (2,998,454) |

### Cost Avoidance

|              |             |             |             |              |              |              |              |              |              |              |              |              |
|--------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Month Use \$ | \$ (11,110) | \$ (24,038) | \$ (40,535) | \$ (62,188)  | \$ 32,453    | \$ (86,877)  | \$ (44,925)  | \$ (13,845)  | \$ (14,776)  | \$ (23,475)  | \$ (24,387)  | \$ (27,672)  |
| YTD \$       | \$ (11,110) | \$ (35,148) | \$ (75,683) | \$ (137,871) | \$ (105,417) | \$ (192,294) | \$ (237,219) | \$ (251,064) | \$ (265,840) | \$ (289,315) | \$ (313,702) | \$ (341,374) |

# Meter Detail Report

Baseline: Usage and costs representative of the facility's operations for the baseline period as seen in the contract.

Adjusted Baseline: Baseline usage and Cost adjusted to conditions of the current year. (Includes: weather, number of billing days and Facility Changes)

SimActual: Current year usage and calculated costs using the applicable contract rate.

## Meter: PA 1-09 Gas

### Baseline

|            | Sep 2006  | Oct 2006  | Nov 2006   | Dec 2006   | Jan 2006   | Feb 2006   | Mar 2006   | Apr 2006    | May 2006    | Jun 2006    | Jul 2006    | Aug 2006    |
|------------|-----------|-----------|------------|------------|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|
| Month Use  | 1,194     | 3,730     | 5,635      | 9,143      | 10,940     | 9,587      | 9,357      | 5,211       | 3,527       | 1,684       | 1,130       | 1,100       |
| YTD Use    | 1,194     | 4,924     | 10,559     | 19,702     | 30,642     | 40,229     | 49,586     | 54,797      | 58,324      | 60,008      | 61,138      | 62,238      |
| Month \$   | \$ 23,725 | \$ 74,117 | \$ 111,971 | \$ 181,671 | \$ 217,384 | \$ 190,499 | \$ 185,929 | \$ 103,546  | \$ 70,084   | \$ 33,462   | \$ 22,454   | \$ 21,858   |
| YTD \$     | \$ 23,725 | \$ 97,842 | \$ 209,813 | \$ 391,484 | \$ 608,868 | \$ 799,367 | \$ 985,296 | \$1,088,842 | \$1,158,926 | \$1,192,388 | \$1,214,842 | \$1,236,700 |
| BP Length  | 30        | 31        | 30         | 31         | 31         | 28         | 31         | 30          | 31          | 30          | 31          | 31          |
| HDD        | 111       | 412       | 574        | 781        | 802        | 941        | 801        | 321         | 211         | 38          | 2           | -           |
| CDD        | 12        | -         | -          | -          | -          | -          | -          | -           | 42          | 83          | 263         | 266         |
| Month Rate | \$ 19.870 | \$ 19.871 | \$ 19.871  | \$ 19.870  | \$ 19.871  | \$ 19.871  | \$ 19.871  | \$ 19.871   | \$ 19.871   | \$ 19.871   | \$ 19.871   | \$ 19.871   |
| YTD Rate   | \$ 19.870 | \$ 19.870 | \$ 19.871  | \$ 19.870  | \$ 19.870  | \$ 19.870  | \$ 19.870  | \$ 19.870   | \$ 19.870   | \$ 19.870   | \$ 19.870   | \$ 19.870   |

### Adjusted Baseline

|            | Sep 2014  | Oct 2014   | Nov 2014   | Dec 2014   | Jan 2015   | Feb 2015    | Mar 2015    | Apr 2015    | May 2015    | Jun 2015    | Jul 2015    | Aug 2015    |
|------------|-----------|------------|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Month Use  | 1,702     | 4,250      | 8,624      | 9,958      | 13,178     | 13,941      | 9,861       | 4,318       | 1,747       | 1,098       | 902         | 943         |
| YTD Use    | 1,702     | 5,953      | 14,576     | 24,535     | 37,713     | 51,654      | 61,515      | 65,833      | 67,580      | 68,678      | 69,581      | 70,524      |
| Month \$   | \$ 36,964 | \$ 92,285  | \$ 187,247 | \$ 216,224 | \$ 286,141 | \$ 302,697  | \$ 214,112  | \$ 93,765   | \$ 37,930   | \$ 23,848   | \$ 19,589   | \$ 20,478   |
| YTD \$     | \$ 36,964 | \$ 129,250 | \$ 316,497 | \$ 532,721 | \$ 818,862 | \$1,121,559 | \$1,335,671 | \$1,429,436 | \$1,467,366 | \$1,491,214 | \$1,510,803 | \$1,531,282 |
| BP Length  | 30        | 31         | 30         | 31         | 31         | 28          | 31          | 30          | 31          | 30          | 31          | 31          |
| HDD        | 81        | 327        | 757        | 885        | 1,199      | 1,282       | 875         | 337         | 83          | 22          | -           | 4           |
| CDD        | 71        | 4          | -          | -          | -          | -           | -           | 1           | 129         | 184         | 257         | 203         |
| Month Rate | \$ 21.713 | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713   | \$ 21.713   | \$ 21.713   | \$ 21.713   | \$ 21.713   | \$ 21.713   | \$ 21.713   |
| YTD Rate   | \$ 21.713 | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713   | \$ 21.713   | \$ 21.713   | \$ 21.713   | \$ 21.713   | \$ 21.713   | \$ 21.713   |

### SimActual

|            | Sep 2014  | Oct 2014  | Nov 2014   | Dec 2014   | Jan 2015   | Feb 2015   | Mar 2015   | Apr 2015   | May 2015   | Jun 2015   | Jul 2015   | Aug 2015   |
|------------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Month Use  | 1,384     | 1,976     | 2,387      | 3,782      | 3,743      | 3,621      | 3,532      | 2,503      | 1,555      | 1,431      | 1,379      | 1,225      |
| YTD Use    | 1,384     | 3,360     | 5,747      | 9,529      | 13,272     | 16,893     | 20,426     | 22,929     | 24,484     | 25,915     | 27,294     | 28,519     |
| Month \$   | \$ 30,051 | \$ 42,905 | \$ 51,829  | \$ 82,119  | \$ 81,274  | \$ 78,629  | \$ 76,695  | \$ 54,356  | \$ 33,764  | \$ 31,071  | \$ 29,942  | \$ 26,598  |
| YTD \$     | \$ 30,051 | \$ 72,956 | \$ 124,785 | \$ 206,903 | \$ 288,177 | \$ 366,806 | \$ 443,501 | \$ 497,857 | \$ 531,621 | \$ 562,692 | \$ 592,635 | \$ 619,233 |
| BP Length  | 30        | 31        | 30         | 31         | 31         | 28         | 31         | 30         | 31         | 30         | 31         | 31         |
| HDD        | 81        | 327       | 757        | 885        | 1,199      | 1,282      | 875        | 337        | 83         | 22         | -          | 4          |
| CDD        | 71        | 4         | -          | -          | -          | -          | -          | 1          | 129        | 184        | 257        | 203        |
| Month Rate | \$ 21.713 | \$ 21.713 | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  |
| YTD Rate   | \$ 21.713 | \$ 21.713 | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  |

### SimActual vs. Adjusted Baseline

|           | Sep 2014 | Oct 2014 | Nov 2014 | Dec 2014 | Jan 2015 | Feb 2015 | Mar 2015 | Apr 2015 | May 2015 | Jun 2015 | Jul 2015 | Aug 2015 |
|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Month Use | -18.7%   | -53.5%   | -72.3%   | -62.0%   | -71.6%   | -74.0%   | -64.2%   | -42.0%   | -11.0%   | 30.3%    | 52.9%    | 29.9%    |
| YTD Use   | -18.7%   | -43.6%   | -60.6%   | -61.2%   | -64.8%   | -67.3%   | -66.8%   | -65.2%   | -63.8%   | -62.3%   | -60.8%   | -59.6%   |
| Month \$  | -18.7%   | -53.5%   | -72.3%   | -62.0%   | -71.6%   | -74.0%   | -64.2%   | -42.0%   | -11.0%   | 30.3%    | 52.9%    | 29.9%    |
| YTD \$    | -18.7%   | -43.6%   | -60.6%   | -61.2%   | -64.8%   | -67.3%   | -66.8%   | -65.2%   | -63.8%   | -62.3%   | -60.8%   | -59.6%   |
| BP Length | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| HDD       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| CDD       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |

### Use Avoidance

|           |     |       |       |        |        |        |        |        |        |        |        |        |
|-----------|-----|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Month Use | 318 | 2,274 | 6,237 | 6,176  | 9,435  | 10,320 | 6,329  | 1,815  | 192    | (333)  | (477)  | (282)  |
| YTD Use   | 318 | 2,593 | 8,829 | 15,006 | 24,441 | 34,760 | 41,089 | 42,904 | 43,096 | 42,763 | 42,287 | 42,005 |

### Cost Avoidance

|              |          |           |            |            |            |            |            |            |            |            |             |            |
|--------------|----------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|------------|
| Month Use \$ | \$ 6,914 | \$ 49,380 | \$ 135,418 | \$ 134,105 | \$ 204,867 | \$ 224,068 | \$ 137,417 | \$ 39,409  | \$ 4,166   | \$ (7,223) | \$ (10,353) | \$ (6,120) |
| YTD \$       | \$ 6,914 | \$ 56,294 | \$ 191,712 | \$ 325,818 | \$ 530,685 | \$ 754,753 | \$ 892,170 | \$ 931,579 | \$ 935,745 | \$ 928,522 | \$ 918,169  | \$ 912,049 |

# Meter Detail Report

Baseline: Usage and costs representative of the facility's operations for the baseline period as seen in the contract.

Adjusted Baseline: Baseline usage and Cost adjusted to conditions of the current year. (Includes: weather, number of billing days and Facility Changes)

SimActual: Current year usage and calculated costs using the applicable contract rate.

## Meter: PA 1-09 Water

### Baseline

|            | Sep 2006  | Oct 2006  | Nov 2006  | Dec 2006  | Jan 2006  | Feb 2006   | Mar 2006   | Apr 2006   | May 2006   | Jun 2006   | Jul 2006   | Aug 2006   |
|------------|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|
| Month Use  | 2,204     | 1,345     | 1,282     | 1,042     | 3,317     | 4,498      | 1,743      | 3,344      | 3,386      | 1,507      | 1,890      | 1,744      |
| YTD Use    | 2,204     | 3,549     | 4,831     | 5,873     | 9,190     | 13,688     | 15,431     | 18,775     | 22,161     | 23,668     | 25,558     | 27,302     |
| Month \$   | \$ 20,431 | \$ 12,468 | \$ 11,884 | \$ 9,661  | \$ 30,749 | \$ 41,696  | \$ 16,158  | \$ 30,999  | \$ 31,388  | \$ 13,970  | \$ 17,520  | \$ 16,167  |
| YTD \$     | \$ 20,431 | \$ 32,899 | \$ 44,783 | \$ 54,444 | \$ 85,193 | \$ 126,889 | \$ 143,047 | \$ 174,046 | \$ 205,434 | \$ 219,404 | \$ 236,924 | \$ 253,091 |
| BP Length  | 30        | 31        | 30        | 31        | 31        | 28         | 31         | 30         | 31         | 30         | 31         | 31         |
| HDD        | 134       | 442       | 604       | 812       | 833       | 969        | 832        | 349        | 236        | 47         | 4          | -          |
| CDD        | 12        | -         | -         | -         | -         | -          | -          | -          | 42         | 83         | 263        | 266        |
| Month Rate | \$ 9.270  | \$ 9.270  | \$ 9.270  | \$ 9.272  | \$ 9.270  | \$ 9.270   | \$ 9.270   | \$ 9.270   | \$ 9.270   | \$ 9.270   | \$ 9.270   | \$ 9.270   |
| YTD Rate   | \$ 9.270  | \$ 9.270  | \$ 9.270  | \$ 9.270  | \$ 9.270  | \$ 9.270   | \$ 9.270   | \$ 9.270   | \$ 9.270   | \$ 9.270   | \$ 9.270   | \$ 9.270   |

### Adjusted Baseline

|            | Sep 2014  | Oct 2014  | Nov 2014  | Dec 2014  | Jan 2015  | Feb 2015   | Mar 2015   | Apr 2015   | May 2015   | Jun 2015   | Jul 2015   | Aug 2015   |
|------------|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|
| Month Use  | 2,204     | 1,345     | 1,282     | 1,042     | 3,317     | 4,498      | 1,743      | 3,344      | 3,386      | 1,507      | 1,890      | 1,744      |
| YTD Use    | 2,204     | 3,549     | 4,831     | 5,873     | 9,190     | 13,688     | 15,431     | 18,775     | 22,161     | 23,668     | 25,558     | 27,302     |
| Month \$   | \$ 22,326 | \$ 13,624 | \$ 12,986 | \$ 10,555 | \$ 33,600 | \$ 45,563  | \$ 17,656  | \$ 33,873  | \$ 34,299  | \$ 15,265  | \$ 19,145  | \$ 17,666  |
| YTD \$     | \$ 22,326 | \$ 35,950 | \$ 48,936 | \$ 59,491 | \$ 93,091 | \$ 138,654 | \$ 156,310 | \$ 190,183 | \$ 224,482 | \$ 239,747 | \$ 258,892 | \$ 276,558 |
| BP Length  | 30        | 31        | 30        | 31        | 31        | 28         | 31         | 30         | 31         | 30         | 31         | 31         |
| HDD        | 98        | 355       | 787       | 916       | 1,230     | 1,310      | 906        | 365        | 95         | 27         | -          | 7          |
| CDD        | 71        | 4         | -         | -         | -         | -          | -          | 1          | 129        | 184        | 257        | 203        |
| Month Rate | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130  | \$ 10.130  | \$ 10.130  | \$ 10.130  | \$ 10.130  | \$ 10.130  | \$ 10.130  |
| YTD Rate   | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130  | \$ 10.130  | \$ 10.130  | \$ 10.130  | \$ 10.130  | \$ 10.130  | \$ 10.130  |

### SimActual

|            | Sep 2014  | Oct 2014  | Nov 2014   | Dec 2014   | Jan 2015   | Feb 2015   | Mar 2015   | Apr 2015   | May 2015   | Jun 2015   | Jul 2015   | Aug 2015   |
|------------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Month Use  | 4,659     | 4,473     | 1,889      | 4,296      | 4,604      | 2,905      | 3,202      | 2,127      | 2,963      | 5,133      | 3,680      | 2,982      |
| YTD Use    | 4,659     | 9,132     | 11,021     | 15,317     | 19,921     | 22,826     | 26,028     | 28,155     | 31,118     | 36,251     | 39,931     | 42,913     |
| Month \$   | \$ 47,194 | \$ 45,310 | \$ 19,135  | \$ 43,517  | \$ 46,637  | \$ 29,426  | \$ 32,435  | \$ 21,546  | \$ 30,014  | \$ 51,995  | \$ 37,277  | \$ 30,206  |
| YTD \$     | \$ 47,194 | \$ 92,504 | \$ 111,638 | \$ 155,155 | \$ 201,792 | \$ 231,218 | \$ 263,653 | \$ 285,199 | \$ 315,213 | \$ 367,208 | \$ 404,485 | \$ 434,692 |
| BP Length  | 30        | 31        | 30         | 31         | 31         | 28         | 31         | 30         | 31         | 30         | 31         | 31         |
| HDD        | 98        | 355       | 787        | 916        | 1,230      | 1,310      | 906        | 365        | 95         | 27         | -          | 7          |
| CDD        | 71        | 4         | -          | -          | -          | -          | -          | 1          | 129        | 184        | 257        | 203        |
| Month Rate | \$ 10.130 | \$ 10.130 | \$ 10.130  | \$ 10.130  | \$ 10.130  | \$ 10.130  | \$ 10.130  | \$ 10.130  | \$ 10.130  | \$ 10.130  | \$ 10.130  | \$ 10.130  |
| YTD Rate   | \$ 10.130 | \$ 10.130 | \$ 10.130  | \$ 10.130  | \$ 10.130  | \$ 10.130  | \$ 10.130  | \$ 10.130  | \$ 10.130  | \$ 10.130  | \$ 10.130  | \$ 10.130  |

### SimActual vs. Adjusted Baseline

|           | Sep 2014 | Oct 2014 | Nov 2014 | Dec 2014 | Jan 2015 | Feb 2015 | Mar 2015 | Apr 2015 | May 2015 | Jun 2015 | Jul 2015 | Aug 2015 |
|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Month Use | 111.4%   | 232.6%   | 47.3%    | 312.3%   | 38.8%    | -35.4%   | 83.7%    | -36.4%   | -12.5%   | 240.6%   | 94.7%    | 71.0%    |
| YTD Use   | 111.4%   | 157.3%   | 128.1%   | 160.8%   | 116.8%   | 66.8%    | 68.7%    | 50.0%    | 40.4%    | 53.2%    | 56.2%    | 57.2%    |
| Month \$  | 111.4%   | 232.6%   | 47.3%    | 312.3%   | 38.8%    | -35.4%   | 83.7%    | -36.4%   | -12.5%   | 240.6%   | 94.7%    | 71.0%    |
| YTD \$    | 111.4%   | 157.3%   | 128.1%   | 160.8%   | 116.8%   | 66.8%    | 68.7%    | 50.0%    | 40.4%    | 53.2%    | 56.2%    | 57.2%    |
| BP Length | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| HDD       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| CDD       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |

### Use Avoidance

|           |         |         |         |         |          |         |          |         |         |          |          |          |
|-----------|---------|---------|---------|---------|----------|---------|----------|---------|---------|----------|----------|----------|
| Month Use | (2,455) | (3,128) | (607)   | (3,254) | (1,287)  | 1,593   | (1,459)  | 1,217   | 423     | (3,626)  | (1,790)  | (1,238)  |
| YTD Use   | (2,455) | (5,583) | (6,190) | (9,444) | (10,731) | (9,138) | (10,597) | (9,380) | (8,957) | (12,583) | (14,373) | (15,611) |

### Cost Avoidance

|              |             |             |             |             |              |             |              |             |             |              |              |              |
|--------------|-------------|-------------|-------------|-------------|--------------|-------------|--------------|-------------|-------------|--------------|--------------|--------------|
| Month Use \$ | \$ (24,868) | \$ (31,685) | \$ (6,149)  | \$ (32,962) | \$ (13,037)  | \$ 16,136   | \$ (14,779)  | \$ 12,328   | \$ 4,285    | \$ (36,730)  | \$ (18,132)  | \$ (12,540)  |
| YTD \$       | \$ (24,868) | \$ (56,554) | \$ (62,702) | \$ (95,664) | \$ (108,701) | \$ (92,564) | \$ (107,343) | \$ (95,016) | \$ (90,731) | \$ (127,461) | \$ (145,593) | \$ (158,133) |

# Meter Detail Report

Baseline: Usage and costs representative of the facility's operations for the baseline period as seen in the contract.

Adjusted Baseline: Baseline usage and Cost adjusted to conditions of the current year. (Includes: weather, number of billing days and Facility Changes)

SimActual: Current year usage and calculated costs using the applicable contract rate.

## Meter: PA 1-11 Gas

### Baseline

|            | Sep 2006  | Oct 2006  | Nov 2006  | Dec 2006  | Jan 2006  | Feb 2006  | Mar 2006  | Apr 2006  | May 2006  | Jun 2006  | Jul 2006  | Aug 2006  |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Month Use  | 34        | 158       | 229       | 321       | 330       | 395       | 330       | 119       | 74        | 11        | -         | -         |
| YTD Use    | 34        | 192       | 421       | 742       | 1,072     | 1,467     | 1,797     | 1,916     | 1,990     | 2,001     | 2,001     | 2,001     |
| Month \$   | \$ 676    | \$ 3,140  | \$ 4,550  | \$ 6,376  | \$ 6,557  | \$ 7,849  | \$ 6,557  | \$ 2,365  | \$ 1,470  | \$ 174    | \$ -      | \$ -      |
| YTD \$     | \$ 676    | \$ 3,816  | \$ 8,366  | \$ 14,742 | \$ 21,299 | \$ 29,148 | \$ 35,705 | \$ 38,070 | \$ 39,540 | \$ 39,714 | \$ 39,714 | \$ 39,714 |
| BP Length  | 30        | 31        | 30        | 31        | 31        | 28        | 31        | 30        | 31        | 30        | 31        | 31        |
| HDD        | 76        | 354       | 514       | 719       | 740       | 885       | 739       | 266       | 165       | 25        | -         | -         |
| CDD        | 12        | -         | -         | -         | -         | -         | -         | -         | 42        | 83        | 263       | 266       |
| Month Rate | \$ 19.882 | \$ 19.873 | \$ 19.869 | \$ 19.863 | \$ 19.870 | \$ 19.871 | \$ 19.870 | \$ 19.874 | \$ 19.865 | \$ 15.818 | \$ -      | \$ -      |
| YTD Rate   | \$ 19.882 | \$ 19.875 | \$ 19.872 | \$ 19.868 | \$ 19.868 | \$ 19.869 | \$ 19.869 | \$ 19.870 | \$ 19.869 | \$ 19.847 | \$ 19.847 | \$ 19.847 |

### Adjusted Baseline

|            | Sep 2014  | Oct 2014  | Nov 2014  | Dec 2014  | Jan 2015  | Feb 2015  | Mar 2015  | Apr 2015  | May 2015  | Jun 2015  | Jul 2015  | Aug 2015  |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Month Use  | 24        | 122       | 311       | 367       | 508       | 547       | 363       | 126       | 29        | 7         | 0         | 0         |
| YTD Use    | 24        | 146       | 458       | 825       | 1,332     | 1,880     | 2,242     | 2,369     | 2,397     | 2,404     | 2,404     | 2,404     |
| Month \$   | \$ 529    | \$ 2,651  | \$ 6,756  | \$ 7,972  | \$ 11,020 | \$ 11,883 | \$ 7,880  | \$ 2,739  | \$ 621    | \$ 141    | \$ 1      | \$ 10     |
| YTD \$     | \$ 529    | \$ 3,180  | \$ 9,936  | \$ 17,908 | \$ 28,928 | \$ 40,811 | \$ 48,691 | \$ 51,430 | \$ 52,051 | \$ 52,192 | \$ 52,193 | \$ 52,203 |
| BP Length  | 30        | 31        | 30        | 31        | 31        | 28        | 31        | 30        | 31        | 30        | 31        | 31        |
| HDD        | 55        | 274       | 697       | 823       | 1,137     | 1,226     | 813       | 283       | 64        | 15        | -         | 1         |
| CDD        | 71        | 4         | -         | -         | -         | -         | -         | 1         | 129       | 184       | 257       | 203       |
| Month Rate | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 |
| YTD Rate   | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 |

### SimActual

|            | Sep 2014  | Oct 2014  | Nov 2014  | Dec 2014  | Jan 2015  | Feb 2015  | Mar 2015  | Apr 2015  | May 2015  | Jun 2015  | Jul 2015  | Aug 2015  |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Month Use  | 87        | 160       | 302       | 430       | 475       | 476       | 392       | 181       | 83        | 58        | 58        | 47        |
| YTD Use    | 87        | 247       | 549       | 979       | 1,454     | 1,930     | 2,322     | 2,503     | 2,586     | 2,644     | 2,702     | 2,749     |
| Month \$   | \$ 1,889  | \$ 3,474  | \$ 6,557  | \$ 9,337  | \$ 10,314 | \$ 10,335 | \$ 8,511  | \$ 3,930  | \$ 1,802  | \$ 1,259  | \$ 1,259  | \$ 1,021  |
| YTD \$     | \$ 1,889  | \$ 5,363  | \$ 11,920 | \$ 21,257 | \$ 31,571 | \$ 41,906 | \$ 50,418 | \$ 54,348 | \$ 56,150 | \$ 57,409 | \$ 58,669 | \$ 59,689 |
| BP Length  | 30        | 31        | 30        | 31        | 31        | 28        | 31        | 30        | 31        | 30        | 31        | 31        |
| HDD        | 55        | 274       | 697       | 823       | 1,137     | 1,226     | 813       | 283       | 64        | 15        | -         | 1         |
| CDD        | 71        | 4         | -         | -         | -         | -         | -         | 1         | 129       | 184       | 257       | 203       |
| Month Rate | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 |
| YTD Rate   | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 |

### SimActual vs. Adjusted Baseline

|           | Sep 2014 | Oct 2014 | Nov 2014 | Dec 2014 | Jan 2015 | Feb 2015 | Mar 2015 | Apr 2015 | May 2015 | Jun 2015 | Jul 2015  | Aug 2015 |
|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|----------|
| Month Use | 257.1%   | 31.0%    | -2.9%    | 17.1%    | -6.4%    | -13.0%   | 8.0%     | 43.5%    | 190.2%   | 791.2%   | 156362.7% | 9622.5%  |
| YTD Use   | 257.1%   | 68.6%    | 20.0%    | 18.7%    | 9.1%     | 2.7%     | 3.5%     | 5.7%     | 7.9%     | 10.0%    | 12.4%     | 14.3%    |
| Month \$  | 257.1%   | 31.0%    | -2.9%    | 17.1%    | -6.4%    | -13.0%   | 8.0%     | 43.5%    | 190.2%   | 791.2%   | 156360.9% | 9622.5%  |
| YTD \$    | 257.1%   | 68.6%    | 20.0%    | 18.7%    | 9.1%     | 2.7%     | 3.5%     | 5.7%     | 7.9%     | 10.0%    | 12.4%     | 14.3%    |
| BP Length | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -         | -        |
| HDD       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -         | -        |
| CDD       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -         | -        |

### Use Avoidance

|           |      |       |      |       |       |      |      |       |       |       |       |       |
|-----------|------|-------|------|-------|-------|------|------|-------|-------|-------|-------|-------|
| Month Use | (63) | (38)  | 9    | (63)  | 33    | 71   | (29) | (55)  | (54)  | (51)  | (58)  | (47)  |
| YTD Use   | (63) | (101) | (91) | (154) | (122) | (50) | (80) | (134) | (189) | (240) | (298) | (345) |

### Cost Avoidance

|              |            |            |            |            |            |            |            |            |            |            |            |            |
|--------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Month Use \$ | \$ (1,360) | \$ (823)   | \$ 198     | \$ (1,364) | \$ 706     | \$ 1,547   | \$ (631)   | \$ (1,191) | \$ (1,181) | \$ (1,118) | \$ (1,259) | \$ (1,010) |
| YTD \$       | \$ (1,360) | \$ (2,183) | \$ (1,984) | \$ (3,349) | \$ (2,642) | \$ (1,095) | \$ (1,727) | \$ (2,918) | \$ (4,099) | \$ (5,217) | \$ (6,476) | \$ (7,486) |

# Meter Detail Report

Baseline: Usage and costs representative of the facility's operations for the baseline period as seen in the contract.

Adjusted Baseline: Baseline usage and Cost adjusted to conditions of the current year. (Includes: weather, number of billing days and Facility Changes)

SimActual: Current year usage and calculated costs using the applicable contract rate.

## Meter: PA 1-11 Water

### Baseline

|            | Sep 2006 | Oct 2006 | Nov 2006 | Dec 2006  | Jan 2006  | Feb 2006  | Mar 2006  | Apr 2006  | May 2006  | Jun 2006  | Jul 2006  | Aug 2006  |
|------------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Month Use  | 272      | 253      | 324      | 255       | 271       | 273       | 169       | 323       | 516       | 279       | 272       | 269       |
| YTD Use    | 272      | 525      | 849      | 1,104     | 1,375     | 1,648     | 1,817     | 2,140     | 2,656     | 2,935     | 3,207     | 3,476     |
| Month \$   | \$ 2,521 | \$ 2,345 | \$ 3,003 | \$ 2,365  | \$ 2,512  | \$ 2,531  | \$ 1,567  | \$ 2,994  | \$ 4,783  | \$ 2,586  | \$ 2,521  | \$ 2,494  |
| YTD \$     | \$ 2,521 | \$ 4,866 | \$ 7,869 | \$ 10,234 | \$ 12,746 | \$ 15,277 | \$ 16,844 | \$ 19,838 | \$ 24,621 | \$ 27,207 | \$ 29,728 | \$ 32,222 |
| BP Length  | 30       | 31       | 30       | 31        | 31        | 28        | 31        | 30        | 31        | 30        | 31        | 31        |
| HDD        | 134      | 442      | 604      | 812       | 833       | 969       | 832       | 349       | 236       | 47        | 4         | -         |
| CDD        | 12       | -        | -        | -         | -         | -         | -         | -         | 42        | 83        | 263       | 266       |
| Month Rate | \$ 9.268 | \$ 9.269 | \$ 9.269 | \$ 9.275  | \$ 9.269  | \$ 9.271  | \$ 9.272  | \$ 9.269  | \$ 9.269  | \$ 9.269  | \$ 9.268  | \$ 9.271  |
| YTD Rate   | \$ 9.268 | \$ 9.269 | \$ 9.269 | \$ 9.270  | \$ 9.270  | \$ 9.270  | \$ 9.270  | \$ 9.270  | \$ 9.270  | \$ 9.270  | \$ 9.270  | \$ 9.270  |

### Adjusted Baseline

|            | Sep 2014  | Oct 2014  | Nov 2014  | Dec 2014  | Jan 2015  | Feb 2015  | Mar 2015  | Apr 2015  | May 2015  | Jun 2015  | Jul 2015  | Aug 2015  |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Month Use  | 270       | 250       | 306       | 265       | 258       | 342       | 168       | 312       | 488       | 301       | 265       | 261       |
| YTD Use    | 270       | 520       | 825       | 1,090     | 1,348     | 1,690     | 1,858     | 2,171     | 2,658     | 2,959     | 3,224     | 3,485     |
| Month \$   | \$ 2,732  | \$ 2,535  | \$ 3,095  | \$ 2,682  | \$ 2,615  | \$ 3,464  | \$ 1,700  | \$ 3,164  | \$ 4,939  | \$ 3,049  | \$ 2,682  | \$ 2,641  |
| YTD \$     | \$ 2,732  | \$ 5,267  | \$ 8,362  | \$ 11,044 | \$ 13,659 | \$ 17,122 | \$ 18,822 | \$ 21,987 | \$ 26,926 | \$ 29,975 | \$ 32,658 | \$ 35,298 |
| BP Length  | 30        | 30        | 30        | 30        | 30        | 36        | 30        | 30        | 30        | 30        | 30        | 30        |
| HDD        | 89        | 268       | 706       | 865       | 1,088     | 1,628     | 919       | 383       | 117       | 23        | 4         | 6         |
| CDD        | 104       | 5         | -         | -         | -         | -         | -         | 1         | 107       | 201       | 207       | 229       |
| Month Rate | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 |
| YTD Rate   | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 |

### SimActual

|            | Sep 2014 | Oct 2014 | Nov 2014  | Dec 2014  | Jan 2015  | Feb 2015  | Mar 2015  | Apr 2015  | May 2015  | Jun 2015  | Jul 2015  | Aug 2015  |
|------------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Month Use  | -        | -        | 25        | 25        | 27        | 21        | 16        | -         | 2,628     | 1,387     | 2,255     | -         |
| YTD Use    | -        | -        | 25        | 50        | 77        | 98        | 114       | 114       | 2,742     | 4,129     | 6,384     | 6,384     |
| Month \$   | \$ -     | \$ -     | \$ 253    | \$ 253    | \$ 273    | \$ 213    | \$ 162    | \$ -      | \$ 26,621 | \$ 14,050 | \$ 22,842 | \$ -      |
| YTD \$     | \$ -     | \$ -     | \$ 253    | \$ 506    | \$ 780    | \$ 993    | \$ 1,155  | \$ 1,155  | \$ 27,775 | \$ 41,825 | \$ 64,667 | \$ 64,667 |
| BP Length  | 30       | 30       | 30        | 30        | 30        | 36        | 30        | 30        | 30        | 30        | 30        | 30        |
| HDD        | 89       | 268      | 706       | 865       | 1,088     | 1,628     | 919       | 383       | 117       | 23        | 4         | 6         |
| CDD        | 104      | 5        | -         | -         | -         | -         | -         | 1         | 107       | 201       | 207       | 229       |
| Month Rate | \$ -     | \$ -     | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ -      | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ -      |
| YTD Rate   | \$ -     | \$ -     | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 |

### SimActual vs. Adjusted Baseline

|           | Sep 2014 | Oct 2014 | Nov 2014 | Dec 2014 | Jan 2015 | Feb 2015 | Mar 2015 | Apr 2015 | May 2015 | Jun 2015 | Jul 2015 | Aug 2015 |
|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Month Use | -100.0%  | -100.0%  | -91.8%   | -90.6%   | -89.5%   | -93.9%   | -90.5%   | -100.0%  | 439.0%   | 360.7%   | 751.6%   | -100.0%  |
| YTD Use   | -100.0%  | -100.0%  | -97.0%   | -95.4%   | -94.3%   | -94.2%   | -93.9%   | -94.7%   | 3.2%     | 39.5%    | 98.0%    | 83.2%    |
| Month \$  | -100.0%  | -100.0%  | -91.8%   | -90.6%   | -89.5%   | -93.9%   | -90.5%   | -100.0%  | 439.0%   | 360.7%   | 751.6%   | -100.0%  |
| YTD \$    | -100.0%  | -100.0%  | -97.0%   | -95.4%   | -94.3%   | -94.2%   | -93.9%   | -94.7%   | 3.2%     | 39.5%    | 98.0%    | 83.2%    |
| BP Length | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| HDD       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| CDD       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |

### Use Avoidance

|           |     |     |     |       |       |       |       |       |         |         |         |         |
|-----------|-----|-----|-----|-------|-------|-------|-------|-------|---------|---------|---------|---------|
| Month Use | 270 | 250 | 281 | 240   | 231   | 321   | 152   | 312   | (2,140) | (1,086) | (1,990) | 261     |
| YTD Use   | 270 | 520 | 800 | 1,040 | 1,271 | 1,592 | 1,744 | 2,057 | (84)    | (1,170) | (3,160) | (2,899) |

### Cost Avoidance

|              |          |          |          |           |           |           |           |           |             |             |             |             |
|--------------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-------------|-------------|-------------|-------------|
| Month Use \$ | \$ 2,732 | \$ 2,535 | \$ 2,842 | \$ 2,429  | \$ 2,341  | \$ 3,251  | \$ 1,538  | \$ 3,164  | \$ (21,681) | \$ (11,000) | \$ (20,160) | \$ 2,641    |
| YTD \$       | \$ 2,732 | \$ 5,267 | \$ 8,108 | \$ 10,537 | \$ 12,879 | \$ 16,130 | \$ 17,668 | \$ 20,832 | \$ (850)    | \$ (11,850) | \$ (32,010) | \$ (29,369) |

# Meter Detail Report

Baseline: Usage and costs representative of the facility's operations for the baseline period as seen in the contract.

Adjusted Baseline: Baseline usage and Cost adjusted to conditions of the current year. (Includes: weather, number of billing days and Facility Changes)

SimActual: Current year usage and calculated costs using the applicable contract rate.

## Meter: PA 1-15 Gas

### Baseline

|            | Sep 2006  | Oct 2006  | Nov 2006  | Dec 2006  | Jan 2006   | Feb 2006   | Mar 2006   | Apr 2006   | May 2006   | Jun 2006   | Jul 2006   | Aug 2006   |
|------------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|
| Month Use  | 130       | 592       | 842       | 1,616     | 1,863      | 1,852      | 1,666      | 948        | 855        | 232        | 337        | 304        |
| YTD Use    | 130       | 722       | 1,564     | 3,180     | 5,043      | 6,895      | 8,561      | 9,509      | 10,364     | 10,596     | 10,933     | 11,237     |
| Month \$   | \$ 2,583  | \$ 11,763 | \$ 16,731 | \$ 32,106 | \$ 37,019  | \$ 36,800  | \$ 33,104  | \$ 18,837  | \$ 16,989  | \$ 4,610   | \$ 6,696   | \$ 6,041   |
| YTD \$     | \$ 2,583  | \$ 14,346 | \$ 31,077 | \$ 63,183 | \$ 100,202 | \$ 137,002 | \$ 170,106 | \$ 188,943 | \$ 205,932 | \$ 210,542 | \$ 217,238 | \$ 223,279 |
| BP Length  | 30        | 31        | 30        | 31        | 31         | 28         | 31         | 30         | 31         | 30         | 31         | 31         |
| HDD        | 92        | 382       | 544       | 750       | 771        | 913        | 770        | 293        | 188        | 30         | -          | -          |
| CDD        | 12        | -         | -         | -         | -          | -          | -          | -          | 42         | 83         | 263        | 266        |
| Month Rate | \$ 19.869 | \$ 19.870 | \$ 19.871 | \$ 19.868 | \$ 19.871  | \$ 19.870  | \$ 19.870  | \$ 19.870  | \$ 19.870  | \$ 19.871  | \$ 19.869  | \$ 19.872  |
| YTD Rate   | \$ 19.869 | \$ 19.870 | \$ 19.870 | \$ 19.869 | \$ 19.870  | \$ 19.870  | \$ 19.870  | \$ 19.870  | \$ 19.870  | \$ 19.870  | \$ 19.870  | \$ 19.870  |

### Adjusted Baseline

|            | Sep 2014  | Oct 2014  | Nov 2014  | Dec 2014  | Jan 2015   | Feb 2015   | Mar 2015   | Apr 2015   | May 2015   | Jun 2015   | Jul 2015   | Aug 2015   |
|------------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|
| Month Use  | 285       | 732       | 1,539     | 1,785     | 2,383      | 2,531      | 1,767      | 744        | 300        | 192        | 163        | 166        |
| YTD Use    | 285       | 1,017     | 2,556     | 4,341     | 6,724      | 9,255      | 11,022     | 11,766     | 12,067     | 12,258     | 12,421     | 12,587     |
| Month \$   | \$ 6,182  | \$ 15,893 | \$ 33,426 | \$ 38,762 | \$ 51,744  | \$ 54,952  | \$ 38,370  | \$ 16,151  | \$ 6,523   | \$ 4,160   | \$ 3,530   | \$ 3,613   |
| YTD \$     | \$ 6,182  | \$ 22,076 | \$ 55,502 | \$ 94,263 | \$ 146,007 | \$ 200,959 | \$ 239,329 | \$ 255,480 | \$ 262,003 | \$ 266,162 | \$ 269,693 | \$ 273,306 |
| BP Length  | 30        | 31        | 30        | 31        | 31         | 28         | 31         | 30         | 31         | 30         | 31         | 31         |
| HDD        | 67        | 300       | 727       | 854       | 1,168      | 1,254      | 844        | 309        | 73         | 18         | -          | 2          |
| CDD        | 71        | 4         | -         | -         | -          | -          | -          | 1          | 129        | 184        | 257        | 203        |
| Month Rate | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  |
| YTD Rate   | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  |

### SimActual

|            | Sep 2014 | Oct 2014  | Nov 2014  | Dec 2014  | Jan 2015   | Feb 2015   | Mar 2015   | Apr 2015   | May 2015   | Jun 2015   | Jul 2015   | Aug 2015   |
|------------|----------|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|
| Month Use  | -        | 603       | 979       | 1,613     | 1,623      | 1,634      | 1,606      | 931        | 231        | 176        | 139        | 126        |
| YTD Use    | -        | 603       | 1,582     | 3,195     | 4,818      | 6,452      | 8,059      | 8,989      | 9,221      | 9,397      | 9,536      | 9,662      |
| Month \$   | \$ -     | \$ 13,093 | \$ 21,257 | \$ 35,023 | \$ 35,240  | \$ 35,488  | \$ 34,878  | \$ 20,208  | \$ 5,024   | \$ 3,821   | \$ 3,018   | \$ 2,736   |
| YTD \$     | \$ -     | \$ 13,093 | \$ 34,350 | \$ 69,373 | \$ 104,613 | \$ 140,101 | \$ 174,979 | \$ 195,187 | \$ 200,211 | \$ 204,033 | \$ 207,051 | \$ 209,787 |
| BP Length  | 30       | 31        | 30        | 31        | 31         | 28         | 31         | 30         | 31         | 30         | 31         | 31         |
| HDD        | 67       | 300       | 727       | 854       | 1,168      | 1,254      | 844        | 309        | 73         | 18         | -          | 2          |
| CDD        | 71       | 4         | -         | -         | -          | -          | -          | 1          | 129        | 184        | 257        | 203        |
| Month Rate | \$ -     | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  |
| YTD Rate   | \$ -     | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  |

### SimActual vs. Adjusted Baseline

|           | Sep 2014 | Oct 2014 | Nov 2014 | Dec 2014 | Jan 2015 | Feb 2015 | Mar 2015 | Apr 2015 | May 2015 | Jun 2015 | Jul 2015 | Aug 2015 |
|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Month Use | -100.0%  | -17.6%   | -36.4%   | -9.6%    | -31.9%   | -35.4%   | -9.1%    | 25.1%    | -23.0%   | -8.1%    | -14.5%   | -24.3%   |
| YTD Use   | -100.0%  | -40.7%   | -38.1%   | -26.4%   | -28.4%   | -30.3%   | -26.9%   | -23.6%   | -23.6%   | -23.3%   | -23.2%   | -23.2%   |
| Month \$  | -100.0%  | -17.6%   | -36.4%   | -9.6%    | -31.9%   | -35.4%   | -9.1%    | 25.1%    | -23.0%   | -8.1%    | -14.5%   | -24.3%   |
| YTD \$    | -100.0%  | -40.7%   | -38.1%   | -26.4%   | -28.4%   | -30.3%   | -26.9%   | -23.6%   | -23.6%   | -23.3%   | -23.2%   | -23.2%   |
| BP Length | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| HDD       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| CDD       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |

### Use Avoidance

|           | Sep 2014 | Oct 2014 | Nov 2014 | Dec 2014 | Jan 2015 | Feb 2015 | Mar 2015 | Apr 2015 | May 2015 | Jun 2015 | Jul 2015 | Aug 2015 |
|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Month Use | 285      | 129      | 560      | 172      | 760      | 896      | 161      | (187)    | 69       | 16       | 24       | 40       |
| YTD Use   | 285      | 414      | 974      | 1,146    | 1,906    | 2,803    | 2,964    | 2,777    | 2,846    | 2,861    | 2,885    | 2,925    |

### Cost Avoidance

|              | Sep 2014 | Oct 2014 | Nov 2014  | Dec 2014  | Jan 2015  | Feb 2015  | Mar 2015  | Apr 2015   | May 2015  | Jun 2015  | Jul 2015  | Aug 2015  |
|--------------|----------|----------|-----------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|-----------|
| Month Use \$ | \$ 6,182 | \$ 2,800 | \$ 12,169 | \$ 3,739  | \$ 16,504 | \$ 19,464 | \$ 3,492  | \$ (4,057) | \$ 1,499  | \$ 338    | \$ 512    | \$ 877    |
| YTD \$       | \$ 6,182 | \$ 8,983 | \$ 21,152 | \$ 24,890 | \$ 41,394 | \$ 60,858 | \$ 64,350 | \$ 60,293  | \$ 61,792 | \$ 62,130 | \$ 62,642 | \$ 63,519 |

# Meter Detail Report

Baseline: Usage and costs representative of the facility's operations for the baseline period as seen in the contract.

Adjusted Baseline: Baseline usage and Cost adjusted to conditions of the current year. (Includes: weather, number of billing days and Facility Changes)

SimActual: Current year usage and calculated costs using the applicable contract rate.

## Meter: PA 1-15 Water

### Baseline

|            | Sep 2006 | Oct 2006 | Nov 2006  | Dec 2006  | Jan 2006  | Feb 2006  | Mar 2006  | Apr 2006  | May 2006  | Jun 2006  | Jul 2006  | Aug 2006  |
|------------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Month Use  | 379      | 407      | 375       | 390       | 335       | 340       | 361       | 454       | 331       | 400       | 299       | 502       |
| YTD Use    | 379      | 786      | 1,161     | 1,551     | 1,886     | 2,226     | 2,587     | 3,041     | 3,372     | 3,772     | 4,071     | 4,573     |
| Month \$   | \$ 3,513 | \$ 3,773 | \$ 3,476  | \$ 3,620  | \$ 3,105  | \$ 3,152  | \$ 3,346  | \$ 4,209  | \$ 3,068  | \$ 3,708  | \$ 2,772  | \$ 4,654  |
| YTD \$     | \$ 3,513 | \$ 7,286 | \$ 10,762 | \$ 14,382 | \$ 17,487 | \$ 20,639 | \$ 23,985 | \$ 28,194 | \$ 31,262 | \$ 34,970 | \$ 37,742 | \$ 42,396 |
| BP Length  | 30       | 31       | 30        | 31        | 31        | 28        | 31        | 30        | 31        | 30        | 31        | 31        |
| HDD        | 134      | 442      | 604       | 812       | 833       | 969       | 832       | 349       | 236       | 47        | 4         | -         |
| CDD        | 12       | -        | -         | -         | -         | -         | -         | -         | 42        | 83        | 263       | 266       |
| Month Rate | \$ 9.269 | \$ 9.270 | \$ 9.269  | \$ 9.282  | \$ 9.269  | \$ 9.271  | \$ 9.269  | \$ 9.271  | \$ 9.269  | \$ 9.270  | \$ 9.271  | \$ 9.271  |
| YTD Rate   | \$ 9.269 | \$ 9.270 | \$ 9.270  | \$ 9.273  | \$ 9.272  | \$ 9.272  | \$ 9.271  | \$ 9.271  | \$ 9.271  | \$ 9.271  | \$ 9.271  | \$ 9.271  |

### Adjusted Baseline

|            | Sep 2014  | Oct 2014  | Nov 2014  | Dec 2014  | Jan 2015  | Feb 2015  | Mar 2015  | Apr 2015  | May 2015  | Jun 2015  | Jul 2015  | Aug 2015  |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Month Use  | 379       | 407       | 375       | 390       | 335       | 340       | 361       | 454       | 331       | 400       | 270       | 466       |
| YTD Use    | 379       | 786       | 1,161     | 1,551     | 1,886     | 2,226     | 2,587     | 3,041     | 3,372     | 3,772     | 4,042     | 4,508     |
| Month \$   | \$ 3,839  | \$ 4,123  | \$ 3,799  | \$ 3,951  | \$ 3,393  | \$ 3,444  | \$ 3,657  | \$ 4,599  | \$ 3,353  | \$ 4,052  | \$ 2,736  | \$ 4,722  |
| YTD \$     | \$ 3,839  | \$ 7,962  | \$ 11,760 | \$ 15,711 | \$ 19,104 | \$ 22,548 | \$ 26,205 | \$ 30,804 | \$ 34,157 | \$ 38,209 | \$ 40,944 | \$ 45,667 |
| BP Length  | 30        | 31        | 30        | 31        | 31        | 28        | 31        | 30        | 31        | 30        | 28        | 30        |
| HDD        | 98        | 355       | 787       | 916       | 1,230     | 1,310     | 906       | 365       | 95        | 27        | -         | 7         |
| CDD        | 71        | 4         | -         | -         | -         | -         | -         | 1         | 129       | 184       | 218       | 213       |
| Month Rate | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 |
| YTD Rate   | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 |

### SimActual

|            | Sep 2014  | Oct 2014  | Nov 2014  | Dec 2014  | Jan 2015  | Feb 2015  | Mar 2015  | Apr 2015  | May 2015  | Jun 2015  | Jul 2015  | Aug 2015  |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Month Use  | 84        | 226       | 229       | 157       | 230       | 223       | 201       | 192       | 269       | 201       | 194       | 105       |
| YTD Use    | 84        | 310       | 539       | 696       | 926       | 1,149     | 1,350     | 1,542     | 1,811     | 2,012     | 2,206     | 2,311     |
| Month \$   | \$ 851    | \$ 2,289  | \$ 2,320  | \$ 1,590  | \$ 2,330  | \$ 2,259  | \$ 2,036  | \$ 1,945  | \$ 2,725  | \$ 2,036  | \$ 1,965  | \$ 1,064  |
| YTD \$     | \$ 851    | \$ 3,140  | \$ 5,460  | \$ 7,050  | \$ 9,380  | \$ 11,639 | \$ 13,675 | \$ 15,620 | \$ 18,345 | \$ 20,381 | \$ 22,346 | \$ 23,410 |
| BP Length  | 30        | 31        | 30        | 31        | 31        | 28        | 31        | 30        | 31        | 30        | 28        | 30        |
| HDD        | 98        | 355       | 787       | 916       | 1,230     | 1,310     | 906       | 365       | 95        | 27        | -         | 7         |
| CDD        | 71        | 4         | -         | -         | -         | -         | -         | 1         | 129       | 184       | 218       | 213       |
| Month Rate | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 |
| YTD Rate   | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 |

### SimActual vs. Adjusted Baseline

|           | Sep 2014 | Oct 2014 | Nov 2014 | Dec 2014 | Jan 2015 | Feb 2015 | Mar 2015 | Apr 2015 | May 2015 | Jun 2015 | Jul 2015 | Aug 2015 |
|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Month Use | -77.8%   | -44.5%   | -38.9%   | -59.7%   | -31.3%   | -34.4%   | -44.3%   | -57.7%   | -18.7%   | -49.8%   | -28.2%   | -77.5%   |
| YTD Use   | -77.8%   | -60.6%   | -53.6%   | -55.1%   | -50.9%   | -48.4%   | -47.8%   | -49.3%   | -46.3%   | -46.7%   | -45.4%   | -48.7%   |
| Month \$  | -77.8%   | -44.5%   | -38.9%   | -59.7%   | -31.3%   | -34.4%   | -44.3%   | -57.7%   | -18.7%   | -49.8%   | -28.2%   | -77.5%   |
| YTD \$    | -77.8%   | -60.6%   | -53.6%   | -55.1%   | -50.9%   | -48.4%   | -47.8%   | -49.3%   | -46.3%   | -46.7%   | -45.4%   | -48.7%   |
| BP Length | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| HDD       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| CDD       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |

### Use Avoidance

|           |     |     |     |     |     |       |       |       |       |       |       |       |
|-----------|-----|-----|-----|-----|-----|-------|-------|-------|-------|-------|-------|-------|
| Month Use | 295 | 181 | 146 | 233 | 105 | 117   | 160   | 262   | 62    | 199   | 76    | 361   |
| YTD Use   | 295 | 476 | 622 | 855 | 960 | 1,077 | 1,237 | 1,499 | 1,561 | 1,760 | 1,836 | 2,197 |

### Cost Avoidance

|              |          |          |          |          |          |           |           |           |           |           |           |           |
|--------------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Month Use \$ | \$ 2,988 | \$ 1,833 | \$ 1,479 | \$ 2,360 | \$ 1,064 | \$ 1,185  | \$ 1,621  | \$ 2,654  | \$ 628    | \$ 2,016  | \$ 771    | \$ 3,658  |
| YTD \$       | \$ 2,988 | \$ 4,822 | \$ 6,301 | \$ 8,661 | \$ 9,724 | \$ 10,910 | \$ 12,530 | \$ 15,184 | \$ 15,812 | \$ 17,828 | \$ 18,599 | \$ 22,257 |

# Meter Detail Report

Baseline: Usage and costs representative of the facility's operations for the baseline period as seen in the contract.

Adjusted Baseline: Baseline usage and Cost adjusted to conditions of the current year. (Includes: weather, number of billing days and Facility Changes)

SimActual: Current year usage and calculated costs using the applicable contract rate.

## Meter: PA 1-17 Gas

### Baseline

|            | Sep 2006  | Oct 2006  | Nov 2006  | Dec 2006  | Jan 2006   | Feb 2006   | Mar 2006   | Apr 2006   | May 2006   | Jun 2006   | Jul 2006   | Aug 2006   |
|------------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|
| Month Use  | 154       | 553       | 1,282     | 2,169     | 2,447      | 2,198      | 2,177      | 1,062      | 572        | 216        | 143        | 129        |
| YTD Use    | 154       | 707       | 1,989     | 4,158     | 6,605      | 8,803      | 10,980     | 12,042     | 12,614     | 12,830     | 12,973     | 13,102     |
| Month \$   | \$ 3,060  | \$ 10,988 | \$ 25,476 | \$ 43,099 | \$ 48,623  | \$ 43,676  | \$ 43,258  | \$ 21,103  | \$ 11,366  | \$ 4,292   | \$ 2,841   | \$ 2,563   |
| YTD \$     | \$ 3,060  | \$ 14,048 | \$ 39,524 | \$ 82,623 | \$ 131,246 | \$ 174,922 | \$ 218,180 | \$ 239,283 | \$ 250,649 | \$ 254,941 | \$ 257,782 | \$ 260,345 |
| BP Length  | 30        | 31        | 30        | 31        | 31         | 28         | 31         | 30         | 31         | 30         | 31         | 31         |
| HDD        | 63        | 326       | 484       | 688       | 709        | 857        | 709        | 243        | 144        | 20         | -          | -          |
| CDD        | 12        | -         | -         | -         | -          | -          | -          | -          | 42         | 83         | 263        | 266        |
| Month Rate | \$ 19.870 | \$ 19.870 | \$ 19.872 | \$ 19.870 | \$ 19.870  | \$ 19.871  | \$ 19.870  | \$ 19.871  | \$ 19.871  | \$ 19.870  | \$ 19.867  | \$ 19.868  |
| YTD Rate   | \$ 19.870 | \$ 19.870 | \$ 19.871 | \$ 19.871 | \$ 19.871  | \$ 19.871  | \$ 19.871  | \$ 19.871  | \$ 19.871  | \$ 19.871  | \$ 19.871  | \$ 19.871  |

### Adjusted Baseline

|            | Sep 2014  | Oct 2014  | Nov 2014  | Dec 2014   | Jan 2015   | Feb 2015   | Mar 2015   | Apr 2015   | May 2015   | Jun 2015   | Jul 2015   | Aug 2015   |
|------------|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Month Use  | 225       | 792       | 1,954     | 2,303      | 3,176      | 3,421      | 2,276      | 821        | 260        | 135        | 101        | 98         |
| YTD Use    | 225       | 1,017     | 2,970     | 5,273      | 8,449      | 11,871     | 14,147     | 14,967     | 15,228     | 15,362     | 15,464     | 15,561     |
| Month \$   | \$ 4,882  | \$ 17,196 | \$ 42,418 | \$ 49,998  | \$ 68,962  | \$ 74,289  | \$ 49,425  | \$ 17,816  | \$ 5,649   | \$ 2,923   | \$ 2,199   | \$ 2,126   |
| YTD \$     | \$ 4,882  | \$ 22,079 | \$ 64,497 | \$ 114,495 | \$ 183,457 | \$ 257,746 | \$ 307,172 | \$ 324,988 | \$ 330,637 | \$ 333,560 | \$ 335,759 | \$ 337,885 |
| BP Length  | 30        | 31        | 30        | 31         | 31         | 28         | 31         | 30         | 31         | 30         | 30         | 29         |
| HDD        | 45        | 248       | 667       | 792        | 1,106      | 1,198      | 782        | 259        | 56         | 12         | -          | -          |
| CDD        | 71        | 4         | -         | -          | -          | -          | -          | 1          | 129        | 184        | 246        | 186        |
| Month Rate | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  |
| YTD Rate   | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  |

### SimActual

|            | Sep 2014  | Oct 2014  | Nov 2014  | Dec 2014   | Jan 2015   | Feb 2015   | Mar 2015   | Apr 2015   | May 2015   | Jun 2015   | Jul 2015   | Aug 2015   |
|------------|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Month Use  | 179       | 782       | 1,811     | 2,791      | 3,087      | 3,044      | 2,460      | 1,279      | 294        | 164        | 17         | 140        |
| YTD Use    | 179       | 961       | 2,772     | 5,563      | 8,650      | 11,694     | 14,154     | 15,433     | 15,727     | 15,891     | 15,908     | 16,048     |
| Month \$   | \$ 3,887  | \$ 16,980 | \$ 39,322 | \$ 60,601  | \$ 67,028  | \$ 66,094  | \$ 53,414  | \$ 27,771  | \$ 6,384   | \$ 3,561   | \$ 358     | \$ 3,040   |
| YTD \$     | \$ 3,887  | \$ 20,866 | \$ 60,188 | \$ 120,789 | \$ 187,817 | \$ 253,912 | \$ 307,326 | \$ 335,097 | \$ 341,480 | \$ 345,041 | \$ 345,400 | \$ 348,439 |
| BP Length  | 30        | 31        | 30        | 31         | 31         | 28         | 31         | 30         | 31         | 30         | 30         | 29         |
| HDD        | 45        | 248       | 667       | 792        | 1,106      | 1,198      | 782        | 259        | 56         | 12         | -          | -          |
| CDD        | 71        | 4         | -         | -          | -          | -          | -          | 1          | 129        | 184        | 246        | 186        |
| Month Rate | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  |
| YTD Rate   | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  |

### SimActual vs. Adjusted Baseline

|           | Sep 2014 | Oct 2014 | Nov 2014 | Dec 2014 | Jan 2015 | Feb 2015 | Mar 2015 | Apr 2015 | May 2015 | Jun 2015 | Jul 2015 | Aug 2015 |
|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Month Use | -20.4%   | -1.3%    | -7.3%    | 21.2%    | -2.8%    | -11.0%   | 8.1%     | 55.9%    | 13.0%    | 21.8%    | -83.7%   | 43.0%    |
| YTD Use   | -20.4%   | -5.5%    | -6.7%    | 5.5%     | 2.4%     | -1.5%    | 0.1%     | 3.1%     | 3.3%     | 3.4%     | 2.9%     | 3.1%     |
| Month \$  | -20.4%   | -1.3%    | -7.3%    | 21.2%    | -2.8%    | -11.0%   | 8.1%     | 55.9%    | 13.0%    | 21.8%    | -83.7%   | 43.0%    |
| YTD \$    | -20.4%   | -5.5%    | -6.7%    | 5.5%     | 2.4%     | -1.5%    | 0.1%     | 3.1%     | 3.3%     | 3.4%     | 2.9%     | 3.1%     |
| BP Length | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| HDD       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| CDD       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |

### Use Avoidance

|           |    |    |     |       |       |     |       |       |       |       |       |       |
|-----------|----|----|-----|-------|-------|-----|-------|-------|-------|-------|-------|-------|
| Month Use | 46 | 10 | 143 | (488) | 89    | 377 | (184) | (458) | (34)  | (29)  | 85    | (42)  |
| YTD Use   | 46 | 56 | 198 | (290) | (201) | 177 | (7)   | (466) | (499) | (529) | (444) | (486) |

### Cost Avoidance

|              |        |          |          |             |            |          |            |             |             |             |            |             |
|--------------|--------|----------|----------|-------------|------------|----------|------------|-------------|-------------|-------------|------------|-------------|
| Month Use \$ | \$ 996 | \$ 217   | \$ 3,096 | \$ (10,603) | \$ 1,934   | \$ 8,195 | \$ (3,989) | \$ (9,955)  | \$ (734)    | \$ (638)    | \$ 1,841   | \$ (914)    |
| YTD \$       | \$ 996 | \$ 1,213 | \$ 4,308 | \$ (6,295)  | \$ (4,361) | \$ 3,834 | \$ (154)   | \$ (10,109) | \$ (10,843) | \$ (11,481) | \$ (9,640) | \$ (10,554) |

# Meter Detail Report

Baseline: Usage and costs representative of the facility's operations for the baseline period as seen in the contract.

Adjusted Baseline: Baseline usage and Cost adjusted to conditions of the current year. (Includes: weather, number of billing days and Facility Changes)

SimActual: Current year usage and calculated costs using the applicable contract rate.

## Meter: PA 1-17 Water

### Baseline

|            | Sep 2006 | Oct 2006 | Nov 2006 | Dec 2006  | Jan 2006  | Feb 2006  | Mar 2006  | Apr 2006  | May 2006  | Jun 2006  | Jul 2006  | Aug 2006  |
|------------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Month Use  | 244      | 346      | 400      | 452       | 318       | 557       | 489       | 763       | 585       | 695       | 572       | 866       |
| YTD Use    | 244      | 590      | 990      | 1,442     | 1,760     | 2,317     | 2,806     | 3,569     | 4,154     | 4,849     | 5,421     | 6,287     |
| Month \$   | \$ 2,262 | \$ 3,207 | \$ 3,708 | \$ 4,194  | \$ 2,948  | \$ 5,163  | \$ 4,533  | \$ 7,073  | \$ 5,423  | \$ 6,443  | \$ 5,302  | \$ 8,028  |
| YTD \$     | \$ 2,262 | \$ 5,469 | \$ 9,177 | \$ 13,371 | \$ 16,319 | \$ 21,482 | \$ 26,015 | \$ 33,088 | \$ 38,511 | \$ 44,954 | \$ 50,256 | \$ 58,284 |
| BP Length  | 30       | 31       | 30       | 31        | 31        | 28        | 31        | 30        | 31        | 30        | 31        | 31        |
| HDD        | 134      | 442      | 604      | 812       | 833       | 969       | 832       | 349       | 236       | 47        | 4         | -         |
| CDD        | 12       | -        | -        | -         | -         | -         | -         | -         | 42        | 83        | 263       | 266       |
| Month Rate | \$ 9.270 | \$ 9.269 | \$ 9.270 | \$ 9.279  | \$ 9.270  | \$ 9.269  | \$ 9.270  | \$ 9.270  | \$ 9.270  | \$ 9.271  | \$ 9.269  | \$ 9.271  |
| YTD Rate   | \$ 9.270 | \$ 9.269 | \$ 9.270 | \$ 9.273  | \$ 9.272  | \$ 9.271  | \$ 9.271  | \$ 9.271  | \$ 9.271  | \$ 9.271  | \$ 9.271  | \$ 9.271  |

### Adjusted Baseline

|            | Sep 2014  | Oct 2014  | Nov 2014  | Dec 2014  | Jan 2015  | Feb 2015  | Mar 2015  | Apr 2015  | May 2015  | Jun 2015  | Jul 2015  | Aug 2015  |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Month Use  | 244       | 346       | 400       | 452       | 318       | 557       | 489       | 763       | 585       | 695       | 572       | 866       |
| YTD Use    | 244       | 590       | 990       | 1,442     | 1,760     | 2,317     | 2,806     | 3,569     | 4,154     | 4,849     | 5,421     | 6,287     |
| Month \$   | \$ 2,472  | \$ 3,505  | \$ 4,052  | \$ 4,579  | \$ 3,221  | \$ 5,642  | \$ 4,953  | \$ 7,729  | \$ 5,926  | \$ 7,040  | \$ 5,794  | \$ 8,772  |
| YTD \$     | \$ 2,472  | \$ 5,976  | \$ 10,028 | \$ 14,607 | \$ 17,828 | \$ 23,470 | \$ 28,424 | \$ 36,153 | \$ 42,078 | \$ 49,118 | \$ 54,913 | \$ 63,685 |
| BP Length  | 30        | 31        | 30        | 31        | 31        | 28        | 31        | 30        | 31        | 30        | 31        | 31        |
| HDD        | 98        | 355       | 787       | 916       | 1,230     | 1,310     | 906       | 365       | 95        | 27        | -         | 7         |
| CDD        | 71        | 4         | -         | -         | -         | -         | -         | 1         | 129       | 184       | 257       | 203       |
| Month Rate | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 |
| YTD Rate   | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 |

### SimActual

|            | Sep 2014  | Oct 2014  | Nov 2014  | Dec 2014  | Jan 2015  | Feb 2015  | Mar 2015  | Apr 2015  | May 2015  | Jun 2015  | Jul 2015  | Aug 2015  |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Month Use  | 10        | 1,221     | 385       | 404       | 383       | 418       | 357       | 108       | 389       | 391       | 103       | 871       |
| YTD Use    | 10        | 1,231     | 1,616     | 2,020     | 2,403     | 2,821     | 3,178     | 3,286     | 3,675     | 4,066     | 4,169     | 5,040     |
| Month \$   | \$ 101    | \$ 12,368 | \$ 3,900  | \$ 4,092  | \$ 3,880  | \$ 4,234  | \$ 3,616  | \$ 1,094  | \$ 3,940  | \$ 3,961  | \$ 1,043  | \$ 8,823  |
| YTD \$     | \$ 101    | \$ 12,470 | \$ 16,369 | \$ 20,462 | \$ 24,341 | \$ 28,576 | \$ 32,192 | \$ 33,286 | \$ 37,226 | \$ 41,187 | \$ 42,230 | \$ 51,053 |
| BP Length  | 30        | 31        | 30        | 31        | 31        | 28        | 31        | 30        | 31        | 30        | 31        | 31        |
| HDD        | 98        | 355       | 787       | 916       | 1,230     | 1,310     | 906       | 365       | 95        | 27        | -         | 7         |
| CDD        | 71        | 4         | -         | -         | -         | -         | -         | 1         | 129       | 184       | 257       | 203       |
| Month Rate | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 |
| YTD Rate   | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 |

### SimActual vs. Adjusted Baseline

|           | Sep 2014 | Oct 2014 | Nov 2014 | Dec 2014 | Jan 2015 | Feb 2015 | Mar 2015 | Apr 2015 | May 2015 | Jun 2015 | Jul 2015 | Aug 2015 |
|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Month Use | -95.9%   | 252.9%   | -3.8%    | -10.6%   | 20.4%    | -25.0%   | -27.0%   | -85.8%   | -33.5%   | -43.7%   | -82.0%   | 0.6%     |
| YTD Use   | -95.9%   | 108.6%   | 63.2%    | 40.1%    | 36.5%    | 21.8%    | 13.3%    | -7.9%    | -11.5%   | -16.1%   | -23.1%   | -19.8%   |
| Month \$  | -95.9%   | 252.9%   | -3.8%    | -10.6%   | 20.4%    | -25.0%   | -27.0%   | -85.8%   | -33.5%   | -43.7%   | -82.0%   | 0.6%     |
| YTD \$    | -95.9%   | 108.6%   | 63.2%    | 40.1%    | 36.5%    | 21.8%    | 13.3%    | -7.9%    | -11.5%   | -16.1%   | -23.1%   | -19.8%   |
| BP Length | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| HDD       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| CDD       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |

### Use Avoidance

|           |     |       |       |       |       |       |       |     |     |     |       |       |
|-----------|-----|-------|-------|-------|-------|-------|-------|-----|-----|-----|-------|-------|
| Month Use | 234 | (875) | 15    | 48    | (65)  | 139   | 132   | 655 | 196 | 304 | 469   | (5)   |
| YTD Use   | 234 | (641) | (626) | (578) | (643) | (504) | (372) | 283 | 479 | 783 | 1,252 | 1,247 |

### Cost Avoidance

|              |          |            |            |            |            |            |            |          |          |          |           |           |
|--------------|----------|------------|------------|------------|------------|------------|------------|----------|----------|----------|-----------|-----------|
| Month Use \$ | \$ 2,370 | \$ (8,863) | \$ 152     | \$ 486     | \$ (658)   | \$ 1,408   | \$ 1,337   | \$ 6,635 | \$ 1,985 | \$ 3,079 | \$ 4,751  | \$ (51)   |
| YTD \$       | \$ 2,370 | \$ (6,493) | \$ (6,341) | \$ (5,855) | \$ (6,513) | \$ (5,105) | \$ (3,768) | \$ 2,867 | \$ 4,852 | \$ 7,931 | \$ 12,682 | \$ 12,632 |

# Meter Detail Report

Baseline: Usage and costs representative of the facility's operations for the baseline period as seen in the contract.

Adjusted Baseline: Baseline usage and Cost adjusted to conditions of the current year. (Includes: weather, number of billing days and Facility Changes)

SimActual: Current year usage and calculated costs using the applicable contract rate.

## Meter: PA 1-20 Electric

### Baseline

|            | Sep 2006 | Oct 2006  | Nov 2006  | Dec 2006  | Jan 2006  | Feb 2006  | Mar 2006  | Apr 2006  | May 2006  | Jun 2006  | Jul 2006  | Aug 2006   |
|------------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|
| Month Use  | 84,432   | 73,196    | 70,953    | 76,009    | 90,147    | 75,593    | 74,397    | 70,170    | 66,203    | 70,897    | 83,634    | 91,172     |
| YTD Use    | 84,432   | 157,628   | 228,581   | 304,590   | 394,737   | 470,330   | 544,727   | 614,897   | 681,100   | 751,997   | 835,631   | 926,803    |
| Month \$   | \$ 9,612 | \$ 8,333  | \$ 8,078  | \$ 8,654  | \$ 10,263 | \$ 8,606  | \$ 8,470  | \$ 7,989  | \$ 7,537  | \$ 8,071  | \$ 9,522  | \$ 10,380  |
| YTD \$     | \$ 9,612 | \$ 17,945 | \$ 26,023 | \$ 34,677 | \$ 44,940 | \$ 53,546 | \$ 62,016 | \$ 70,005 | \$ 77,542 | \$ 85,613 | \$ 95,135 | \$ 105,515 |
| BP Length  | 30       | 31        | 30        | 31        | 31        | 28        | 31        | 30        | 31        | 30        | 31        | 31         |
| HDD        | 134      | 442       | 604       | 812       | 833       | 969       | 832       | 349       | 236       | 47        | 4         | -          |
| CDD        | 12       | -         | -         | -         | -         | -         | -         | -         | 42        | 83        | 263       | 266        |
| Month Rate | \$ 0.114 | \$ 0.114  | \$ 0.114  | \$ 0.114  | \$ 0.114  | \$ 0.114  | \$ 0.114  | \$ 0.114  | \$ 0.114  | \$ 0.114  | \$ 0.114  | \$ 0.114   |
| YTD Rate   | \$ 0.114 | \$ 0.114  | \$ 0.114  | \$ 0.114  | \$ 0.114  | \$ 0.114  | \$ 0.114  | \$ 0.114  | \$ 0.114  | \$ 0.114  | \$ 0.114  | \$ 0.114   |

### Adjusted Baseline

|            | Sep 2014 | Oct 2014  | Nov 2014  | Dec 2014  | Jan 2015  | Feb 2015  | Mar 2015  | Apr 2015  | May 2015  | Jun 2015  | Jul 2015  | Aug 2015   |
|------------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|
| Month Use  | 84,432   | 73,196    | 70,953    | 76,009    | 90,147    | 75,593    | 74,397    | 70,170    | 66,203    | 70,897    | 83,634    | 91,172     |
| YTD Use    | 84,432   | 157,628   | 228,581   | 304,590   | 394,737   | 470,330   | 544,727   | 614,897   | 681,100   | 751,997   | 835,631   | 926,803    |
| Month \$   | \$ 9,608 | \$ 8,330  | \$ 8,074  | \$ 8,650  | \$ 10,259 | \$ 8,602  | \$ 8,466  | \$ 7,985  | \$ 7,534  | \$ 8,068  | \$ 9,518  | \$ 10,375  |
| YTD \$     | \$ 9,608 | \$ 17,938 | \$ 26,013 | \$ 34,662 | \$ 44,921 | \$ 53,524 | \$ 61,990 | \$ 69,975 | \$ 77,509 | \$ 85,577 | \$ 95,095 | \$ 105,470 |
| BP Length  | 30       | 31        | 30        | 31        | 31        | 28        | 31        | 30        | 31        | 30        | 31        | 31         |
| HDD        | 98       | 355       | 787       | 916       | 1,230     | 1,310     | 906       | 365       | 95        | 27        | -         | 7          |
| CDD        | 71       | 4         | -         | -         | -         | -         | -         | 1         | 129       | 184       | 257       | 203        |
| Month Rate | \$ 0.114 | \$ 0.114  | \$ 0.114  | \$ 0.114  | \$ 0.114  | \$ 0.114  | \$ 0.114  | \$ 0.114  | \$ 0.114  | \$ 0.114  | \$ 0.114  | \$ 0.114   |
| YTD Rate   | \$ 0.114 | \$ 0.114  | \$ 0.114  | \$ 0.114  | \$ 0.114  | \$ 0.114  | \$ 0.114  | \$ 0.114  | \$ 0.114  | \$ 0.114  | \$ 0.114  | \$ 0.114   |

### SimActual

|            | Sep 2014  | Oct 2014  | Nov 2014  | Dec 2014  | Jan 2015  | Feb 2015   | Mar 2015   | Apr 2015   | May 2015   | Jun 2015   | Jul 2015   | Aug 2015   |
|------------|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|
| Month Use  | 119,440   | 83,600    | 105,800   | 168,046   | 200,017   | 217,344    | 136,361    | 97,678     | 92,804     | 106,512    | 112,743    | 126,342    |
| YTD Use    | 119,440   | 203,040   | 308,840   | 476,886   | 676,903   | 894,247    | 1,030,608  | 1,128,286  | 1,221,090  | 1,327,602  | 1,440,345  | 1,566,687  |
| Month \$   | \$ 13,592 | \$ 9,514  | \$ 12,040 | \$ 19,124 | \$ 22,762 | \$ 24,734  | \$ 15,518  | \$ 11,116  | \$ 10,561  | \$ 12,121  | \$ 12,830  | \$ 14,378  |
| YTD \$     | \$ 13,592 | \$ 23,106 | \$ 35,146 | \$ 54,270 | \$ 77,032 | \$ 101,765 | \$ 117,283 | \$ 128,399 | \$ 138,960 | \$ 151,081 | \$ 163,911 | \$ 178,289 |
| BP Length  | 30        | 31        | 30        | 31        | 31        | 28         | 31         | 30         | 31         | 30         | 31         | 31         |
| HDD        | 98        | 355       | 787       | 916       | 1,230     | 1,310      | 906        | 365        | 95         | 27         | -          | 7          |
| CDD        | 71        | 4         | -         | -         | -         | -          | -          | 1          | 129        | 184        | 257        | 203        |
| Month Rate | \$ 0.114  | \$ 0.114  | \$ 0.114  | \$ 0.114  | \$ 0.114  | \$ 0.114   | \$ 0.114   | \$ 0.114   | \$ 0.114   | \$ 0.114   | \$ 0.114   | \$ 0.114   |
| YTD Rate   | \$ 0.114  | \$ 0.114  | \$ 0.114  | \$ 0.114  | \$ 0.114  | \$ 0.114   | \$ 0.114   | \$ 0.114   | \$ 0.114   | \$ 0.114   | \$ 0.114   | \$ 0.114   |

### SimActual vs. Adjusted Baseline

|           | Sep 2014 | Oct 2014 | Nov 2014 | Dec 2014 | Jan 2015 | Feb 2015 | Mar 2015 | Apr 2015 | May 2015 | Jun 2015 | Jul 2015 | Aug 2015 |
|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Month Use | 41.5%    | 14.2%    | 49.1%    | 121.1%   | 121.9%   | 187.5%   | 83.3%    | 39.2%    | 40.2%    | 50.2%    | 34.8%    | 38.6%    |
| YTD Use   | 41.5%    | 28.8%    | 35.1%    | 56.6%    | 71.5%    | 90.1%    | 89.2%    | 83.5%    | 79.3%    | 76.5%    | 72.4%    | 69.0%    |
| Month \$  | 41.5%    | 14.2%    | 49.1%    | 121.1%   | 121.9%   | 187.5%   | 83.3%    | 39.2%    | 40.2%    | 50.2%    | 34.8%    | 38.6%    |
| YTD \$    | 41.5%    | 28.8%    | 35.1%    | 56.6%    | 71.5%    | 90.1%    | 89.2%    | 83.5%    | 79.3%    | 76.5%    | 72.4%    | 69.0%    |
| BP Length | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| HDD       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| CDD       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |

### Use Avoidance

|           |          |          |          |           |           |           |           |           |           |           |           |           |
|-----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Month Use | (35,008) | (10,404) | (34,847) | (92,037)  | (109,870) | (141,751) | (61,964)  | (27,508)  | (26,601)  | (35,615)  | (29,109)  | (35,170)  |
| YTD Use   | (35,008) | (45,412) | (80,259) | (172,296) | (282,166) | (423,917) | (485,881) | (513,389) | (539,990) | (575,605) | (604,714) | (639,884) |

### Cost Avoidance

|              |            |            |            |             |             |             |             |             |             |             |             |             |
|--------------|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Month Use \$ | \$ (3,984) | \$ (1,184) | \$ (3,966) | \$ (10,474) | \$ (12,503) | \$ (16,131) | \$ (7,052)  | \$ (3,130)  | \$ (3,027)  | \$ (4,053)  | \$ (3,313)  | \$ (4,002)  |
| YTD \$       | \$ (3,984) | \$ (5,168) | \$ (9,133) | \$ (19,607) | \$ (32,110) | \$ (48,242) | \$ (55,293) | \$ (58,424) | \$ (61,451) | \$ (65,504) | \$ (68,816) | \$ (72,819) |

# Meter Detail Report

Baseline: Usage and costs representative of the facility's operations for the baseline period as seen in the contract.

Adjusted Baseline: Baseline usage and Cost adjusted to conditions of the current year. (Includes: weather, number of billing days and Facility Changes)

SimActual: Current year usage and calculated costs using the applicable contract rate.

## Meter: PA 1-20 Gas

### Baseline

|            | Sep 2006  | Oct 2006  | Nov 2006  | Dec 2006   | Jan 2006   | Feb 2006   | Mar 2006   | Apr 2006   | May 2006   | Jun 2006   | Jul 2006   | Aug 2006   |
|------------|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Month Use  | 212       | 867       | 1,714     | 3,700      | 4,290      | 4,764      | 4,436      | 2,036      | 1,058      | 461        | 146        | 159        |
| YTD Use    | 212       | 1,079     | 2,793     | 6,493      | 10,783     | 15,547     | 19,983     | 22,019     | 23,077     | 23,538     | 23,684     | 23,843     |
| Month \$   | \$ 4,213  | \$ 17,228 | \$ 34,059 | \$ 73,522  | \$ 85,247  | \$ 94,665  | \$ 88,148  | \$ 40,457  | \$ 21,024  | \$ 9,161   | \$ 2,901   | \$ 3,159   |
| YTD \$     | \$ 4,213  | \$ 21,441 | \$ 55,500 | \$ 129,022 | \$ 214,269 | \$ 308,934 | \$ 397,082 | \$ 437,539 | \$ 458,563 | \$ 467,724 | \$ 470,625 | \$ 473,784 |
| BP Length  | 30        | 31        | 30        | 31         | 31         | 28         | 31         | 30         | 31         | 30         | 31         | 31         |
| HDD        | 53        | 300       | 454       | 657        | 678        | 829        | 679        | 221        | 125        | 16         | -          | -          |
| CDD        | 12        | -         | -         | -          | -          | -          | -          | -          | 42         | 83         | 263        | 266        |
| Month Rate | \$ 19.873 | \$ 19.871 | \$ 19.871 | \$ 19.871  | \$ 19.871  | \$ 19.871  | \$ 19.871  | \$ 19.871  | \$ 19.871  | \$ 19.871  | \$ 19.871  | \$ 19.871  |
| YTD Rate   | \$ 19.873 | \$ 19.871 | \$ 19.871 | \$ 19.871  | \$ 19.871  | \$ 19.871  | \$ 19.871  | \$ 19.871  | \$ 19.871  | \$ 19.871  | \$ 19.871  | \$ 19.871  |

### Adjusted Baseline

|            | Sep 2014  | Oct 2014  | Nov 2014   | Dec 2014   | Jan 2015   | Feb 2015   | Mar 2015   | Apr 2015   | May 2015   | Jun 2015   | Jul 2015   | Aug 2015   |
|------------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Month Use  | 289       | 1,345     | 3,685      | 4,385      | 6,161      | 6,689      | 4,332      | 1,421      | 362        | 145        | 91         | 91         |
| YTD Use    | 289       | 1,633     | 5,318      | 9,703      | 15,864     | 22,553     | 26,884     | 28,305     | 28,667     | 28,812     | 28,903     | 28,994     |
| Month \$   | \$ 6,268  | \$ 29,196 | \$ 80,011  | \$ 95,215  | \$ 133,772 | \$ 145,228 | \$ 94,051  | \$ 30,849  | \$ 7,864   | \$ 3,141   | \$ 1,979   | \$ 1,979   |
| YTD \$     | \$ 6,268  | \$ 35,464 | \$ 115,474 | \$ 210,690 | \$ 344,462 | \$ 489,690 | \$ 583,740 | \$ 614,589 | \$ 622,453 | \$ 625,594 | \$ 627,574 | \$ 629,553 |
| BP Length  | 30        | 31        | 30         | 31         | 31         | 28         | 31         | 30         | 31         | 30         | 31         | 31         |
| HDD        | 36        | 222       | 637        | 761        | 1,075      | 1,170      | 751        | 236        | 48         | 10         | -          | -          |
| CDD        | 71        | 4         | -          | -          | -          | -          | -          | 1          | 129        | 184        | 257        | 203        |
| Month Rate | \$ 21.713 | \$ 21.713 | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  |
| YTD Rate   | \$ 21.713 | \$ 21.713 | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  |

### SimActual

|            | Sep 2014  | Oct 2014  | Nov 2014  | Dec 2014  | Jan 2015  | Feb 2015  | Mar 2015  | Apr 2015  | May 2015  | Jun 2015  | Jul 2015  | Aug 2015  |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Month Use  | 217       | 254       | 268       | 380       | 379       | 399       | 399       | 303       | 227       | 221       | 206       | 176       |
| YTD Use    | 217       | 471       | 739       | 1,119     | 1,498     | 1,897     | 2,296     | 2,600     | 2,827     | 3,048     | 3,254     | 3,430     |
| Month \$   | \$ 4,712  | \$ 5,509  | \$ 5,821  | \$ 8,257  | \$ 8,234  | \$ 8,659  | \$ 8,670  | \$ 6,588  | \$ 4,933  | \$ 4,799  | \$ 4,469  | \$ 3,821  |
| YTD \$     | \$ 4,712  | \$ 10,220 | \$ 16,042 | \$ 24,299 | \$ 32,533 | \$ 41,192 | \$ 49,862 | \$ 56,449 | \$ 61,383 | \$ 66,181 | \$ 70,650 | \$ 74,471 |
| BP Length  | 30        | 31        | 30        | 31        | 31        | 28        | 31        | 30        | 31        | 30        | 31        | 31        |
| HDD        | 36        | 222       | 637       | 761       | 1,075     | 1,170     | 751       | 236       | 48        | 10        | -         | -         |
| CDD        | 71        | 4         | -         | -         | -         | -         | -         | 1         | 129       | 184       | 257       | 203       |
| Month Rate | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 |
| YTD Rate   | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 |

### SimActual vs. Adjusted Baseline

|           | Sep 2014 | Oct 2014 | Nov 2014 | Dec 2014 | Jan 2015 | Feb 2015 | Mar 2015 | Apr 2015 | May 2015 | Jun 2015 | Jul 2015 | Aug 2015 |
|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Month Use | -24.8%   | -81.1%   | -92.7%   | -91.3%   | -93.8%   | -94.0%   | -90.8%   | -78.6%   | -37.3%   | 52.8%    | 125.8%   | 93.1%    |
| YTD Use   | -24.8%   | -71.2%   | -86.1%   | -88.5%   | -90.6%   | -91.6%   | -91.5%   | -90.8%   | -90.1%   | -89.4%   | -88.7%   | -88.2%   |
| Month \$  | -24.8%   | -81.1%   | -92.7%   | -91.3%   | -93.8%   | -94.0%   | -90.8%   | -78.6%   | -37.3%   | 52.8%    | 125.8%   | 93.1%    |
| YTD \$    | -24.8%   | -71.2%   | -86.1%   | -88.5%   | -90.6%   | -91.6%   | -91.5%   | -90.8%   | -90.1%   | -89.4%   | -88.7%   | -88.2%   |
| BP Length | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| HDD       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| CDD       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |

### Use Avoidance

|           |    |       |       |       |        |        |        |        |        |        |        |        |
|-----------|----|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| Month Use | 72 | 1,091 | 3,417 | 4,005 | 5,782  | 6,290  | 3,932  | 1,117  | 135    | (76)   | (115)  | (85)   |
| YTD Use   | 72 | 1,163 | 4,579 | 8,584 | 14,366 | 20,656 | 24,588 | 25,705 | 25,840 | 25,764 | 25,649 | 25,564 |

### Cost Avoidance

|              |          |           |           |            |            |            |            |            |            |            |            |            |
|--------------|----------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Month Use \$ | \$ 1,556 | \$ 23,688 | \$ 74,189 | \$ 86,958  | \$ 125,539 | \$ 136,569 | \$ 85,381  | \$ 24,261  | \$ 2,931   | \$ (1,657) | \$ (2,489) | \$ (1,842) |
| YTD \$       | \$ 1,556 | \$ 25,243 | \$ 99,433 | \$ 186,391 | \$ 311,929 | \$ 448,498 | \$ 533,879 | \$ 558,139 | \$ 561,070 | \$ 559,413 | \$ 556,924 | \$ 555,082 |

# Meter Detail Report

Baseline: Usage and costs representative of the facility's operations for the baseline period as seen in the contract.

Adjusted Baseline: Baseline usage and Cost adjusted to conditions of the current year. (Includes: weather, number of billing days and Facility Changes)

SimActual: Current year usage and calculated costs using the applicable contract rate.

## Meter: PA 1-20 Water

### Baseline

|            | Sep 2006  | Oct 2006  | Nov 2006  | Dec 2006  | Jan 2006  | Feb 2006  | Mar 2006  | Apr 2006  | May 2006   | Jun 2006   | Jul 2006   | Aug 2006   |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|
| Month Use  | 1,363     | 821       | 1,139     | 1,023     | 1,287     | 907       | 1,340     | 1,219     | 3,533      | 1,488      | 1,179      | 1,018      |
| YTD Use    | 1,363     | 2,184     | 3,323     | 4,346     | 5,633     | 6,540     | 7,880     | 9,099     | 12,632     | 14,120     | 15,299     | 16,317     |
| Month \$   | \$ 12,635 | \$ 7,611  | \$ 10,559 | \$ 9,482  | \$ 11,930 | \$ 8,408  | \$ 12,422 | \$ 11,300 | \$ 32,751  | \$ 13,794  | \$ 10,929  | \$ 9,437   |
| YTD \$     | \$ 12,635 | \$ 20,246 | \$ 30,805 | \$ 40,287 | \$ 52,217 | \$ 60,625 | \$ 73,047 | \$ 84,347 | \$ 117,098 | \$ 130,892 | \$ 141,821 | \$ 151,258 |
| BP Length  | 30        | 31        | 30        | 31        | 31        | 28        | 31        | 30        | 31         | 30         | 31         | 31         |
| HDD        | 134       | 442       | 604       | 812       | 833       | 969       | 832       | 349       | 236        | 47         | 4          | -          |
| CDD        | 12        | -         | -         | -         | -         | -         | -         | -         | 42         | 83         | 263        | 266        |
| Month Rate | \$ 9.270  | \$ 9.270  | \$ 9.270  | \$ 9.269  | \$ 9.270  | \$ 9.270  | \$ 9.270  | \$ 9.270  | \$ 9.270   | \$ 9.270   | \$ 9.270   | \$ 9.270   |
| YTD Rate   | \$ 9.270  | \$ 9.270  | \$ 9.270  | \$ 9.270  | \$ 9.270  | \$ 9.270  | \$ 9.270  | \$ 9.270  | \$ 9.270   | \$ 9.270   | \$ 9.270   | \$ 9.270   |

### Adjusted Baseline

|            | Sep 2014  | Oct 2014  | Nov 2014  | Dec 2014  | Jan 2015  | Feb 2015  | Mar 2015  | Apr 2015  | May 2015   | Jun 2015   | Jul 2015   | Aug 2015   |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|
| Month Use  | 1,363     | 821       | 1,139     | 1,023     | 1,287     | 907       | 1,340     | 1,219     | 3,533      | 1,488      | 1,179      | 1,018      |
| YTD Use    | 1,363     | 2,184     | 3,323     | 4,346     | 5,633     | 6,540     | 7,880     | 9,099     | 12,632     | 14,120     | 15,299     | 16,317     |
| Month \$   | \$ 13,807 | \$ 8,316  | \$ 11,538 | \$ 10,363 | \$ 13,037 | \$ 9,188  | \$ 13,574 | \$ 12,348 | \$ 35,788  | \$ 15,073  | \$ 11,943  | \$ 10,312  |
| YTD \$     | \$ 13,807 | \$ 22,123 | \$ 33,661 | \$ 44,023 | \$ 57,060 | \$ 66,248 | \$ 79,821 | \$ 92,169 | \$ 127,957 | \$ 143,030 | \$ 154,973 | \$ 165,285 |
| BP Length  | 30        | 31        | 30        | 31        | 31        | 28        | 31        | 30        | 31         | 30         | 31         | 31         |
| HDD        | 98        | 355       | 787       | 916       | 1,230     | 1,310     | 906       | 365       | 95         | 27         | -          | 7          |
| CDD        | 71        | 4         | -         | -         | -         | -         | -         | 1         | 129        | 184        | 257        | 203        |
| Month Rate | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130  | \$ 10.130  | \$ 10.130  | \$ 10.130  |
| YTD Rate   | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130  | \$ 10.130  | \$ 10.130  | \$ 10.130  |

### SimActual

|            | Sep 2014  | Oct 2014  | Nov 2014  | Dec 2014  | Jan 2015  | Feb 2015  | Mar 2015  | Apr 2015  | May 2015  | Jun 2015  | Jul 2015  | Aug 2015  |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Month Use  | 288       | 62        | 49        | 34        | 25        | 32        | 36        | 32        | 64        | 33        | 66        | 51        |
| YTD Use    | 288       | 350       | 399       | 433       | 458       | 490       | 526       | 558       | 622       | 655       | 721       | 772       |
| Month \$   | \$ 2,917  | \$ 628    | \$ 496    | \$ 344    | \$ 253    | \$ 324    | \$ 365    | \$ 324    | \$ 648    | \$ 334    | \$ 669    | \$ 517    |
| YTD \$     | \$ 2,917  | \$ 3,545  | \$ 4,042  | \$ 4,386  | \$ 4,639  | \$ 4,964  | \$ 5,328  | \$ 5,652  | \$ 6,301  | \$ 6,635  | \$ 7,303  | \$ 7,820  |
| BP Length  | 30        | 31        | 30        | 31        | 31        | 28        | 31        | 30        | 31        | 30        | 31        | 31        |
| HDD        | 98        | 355       | 787       | 916       | 1,230     | 1,310     | 906       | 365       | 95        | 27        | -         | 7         |
| CDD        | 71        | 4         | -         | -         | -         | -         | -         | 1         | 129       | 184       | 257       | 203       |
| Month Rate | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 |
| YTD Rate   | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 |

### SimActual vs. Adjusted Baseline

|           | Sep 2014 | Oct 2014 | Nov 2014 | Dec 2014 | Jan 2015 | Feb 2015 | Mar 2015 | Apr 2015 | May 2015 | Jun 2015 | Jul 2015 | Aug 2015 |
|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Month Use | -78.9%   | -92.4%   | -95.7%   | -96.7%   | -98.1%   | -96.5%   | -97.3%   | -97.4%   | -98.2%   | -97.8%   | -94.4%   | -95.0%   |
| YTD Use   | -78.9%   | -84.0%   | -88.0%   | -90.0%   | -91.9%   | -92.5%   | -93.3%   | -93.9%   | -95.1%   | -95.4%   | -95.3%   | -95.3%   |
| Month \$  | -78.9%   | -92.4%   | -95.7%   | -96.7%   | -98.1%   | -96.5%   | -97.3%   | -97.4%   | -98.2%   | -97.8%   | -94.4%   | -95.0%   |
| YTD \$    | -78.9%   | -84.0%   | -88.0%   | -90.0%   | -91.9%   | -92.5%   | -93.3%   | -93.9%   | -95.1%   | -95.4%   | -95.3%   | -95.3%   |
| BP Length | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| HDD       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| CDD       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |

### Use Avoidance

|           |       |       |       |       |       |       |       |       |        |        |        |        |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| Month Use | 1,075 | 759   | 1,090 | 989   | 1,262 | 875   | 1,304 | 1,187 | 3,469  | 1,455  | 1,113  | 967    |
| YTD Use   | 1,075 | 1,834 | 2,924 | 3,913 | 5,175 | 6,050 | 7,354 | 8,541 | 12,010 | 13,465 | 14,578 | 15,545 |

### Cost Avoidance

|              |           |           |           |           |           |           |           |           |            |            |            |            |
|--------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|
| Month Use \$ | \$ 10,889 | \$ 7,688  | \$ 11,041 | \$ 10,018 | \$ 12,784 | \$ 8,863  | \$ 13,209 | \$ 12,024 | \$ 35,140  | \$ 14,739  | \$ 11,274  | \$ 9,795   |
| YTD \$       | \$ 10,889 | \$ 18,578 | \$ 29,619 | \$ 39,637 | \$ 52,421 | \$ 61,284 | \$ 74,493 | \$ 86,517 | \$ 121,657 | \$ 136,395 | \$ 147,669 | \$ 157,465 |

# Meter Detail Report

Baseline: Usage and costs representative of the facility's operations for the baseline period as seen in the contract.

Adjusted Baseline: Baseline usage and Cost adjusted to conditions of the current year. (Includes: weather, number of billing days and Facility Changes)

SimActual: Current year usage and calculated costs using the applicable contract rate.

## Meter: PA 1-31 Gas

### Baseline

|            | Sep 2006  | Oct 2006  | Nov 2006  | Dec 2006  | Jan 2006  | Feb 2006  | Mar 2006   | Apr 2006   | May 2006   | Jun 2006   | Jul 2006   | Aug 2006   |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|
| Month Use  | 64        | 467       | 738       | 1,111     | 1,151     | 1,444     | 1,160      | 333        | 168        | 15         | -          | -          |
| YTD Use    | 64        | 531       | 1,269     | 2,380     | 3,531     | 4,975     | 6,135      | 6,468      | 6,636      | 6,651      | 6,651      | 6,651      |
| Month \$   | \$ 1,262  | \$ 9,288  | \$ 14,664 | \$ 22,088 | \$ 22,868 | \$ 28,696 | \$ 23,054  | \$ 6,608   | \$ 3,341   | \$ 297     | \$ -       | \$ -       |
| YTD \$     | \$ 1,262  | \$ 10,550 | \$ 25,214 | \$ 47,302 | \$ 70,170 | \$ 98,866 | \$ 121,920 | \$ 128,528 | \$ 131,869 | \$ 132,166 | \$ 132,166 | \$ 132,166 |
| BP Length  | 30        | 31        | 30        | 31        | 31        | 28        | 31         | 30         | 31         | 30         | 31         | 31         |
| HDD        | 34        | 250       | 395       | 595       | 616       | 773       | 621        | 178        | 90         | 8          | -          | -          |
| CDD        | 12        | -         | -         | -         | -         | -         | -          | -          | 42         | 83         | 263        | 266        |
| Month Rate | \$ 19.719 | \$ 19.889 | \$ 19.870 | \$ 19.881 | \$ 19.868 | \$ 19.873 | \$ 19.874  | \$ 19.844  | \$ 19.887  | \$ 19.800  | \$ -       | \$ -       |
| YTD Rate   | \$ 19.719 | \$ 19.868 | \$ 19.869 | \$ 19.875 | \$ 19.873 | \$ 19.873 | \$ 19.873  | \$ 19.871  | \$ 19.872  | \$ 19.872  | \$ 19.872  | \$ 19.872  |

### Adjusted Baseline

|            | Sep 2014  | Oct 2014  | Nov 2014  | Dec 2014  | Jan 2015   | Feb 2015   | Mar 2015   | Apr 2015   | May 2015   | Jun 2015   | Jul 2015   | Aug 2015   |
|------------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|
| Month Use  | 43        | 327       | 1,078     | 1,305     | 1,893      | 2,081      | 1,288      | 359        | 61         | 12         | 1          | 1          |
| YTD Use    | 43        | 369       | 1,448     | 2,753     | 4,646      | 6,727      | 8,015      | 8,374      | 8,435      | 8,447      | 8,448      | 8,448      |
| Month \$   | \$ 927    | \$ 7,091  | \$ 23,414 | \$ 28,342 | \$ 41,097  | \$ 45,192  | \$ 27,957  | \$ 7,801   | \$ 1,333   | \$ 257     | \$ 15      | \$ 15      |
| YTD \$     | \$ 927    | \$ 8,018  | \$ 31,433 | \$ 59,775 | \$ 100,872 | \$ 146,063 | \$ 174,021 | \$ 181,821 | \$ 183,154 | \$ 183,411 | \$ 183,426 | \$ 183,441 |
| BP Length  | 30        | 31        | 30        | 31        | 31         | 28         | 31         | 30         | 31         | 30         | 31         | 31         |
| HDD        | 23        | 175       | 577       | 699       | 1,013      | 1,114      | 689        | 192        | 33         | 6          | -          | -          |
| CDD        | 71        | 4         | -         | -         | -          | -          | -          | 1          | 129        | 184        | 257        | 203        |
| Month Rate | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  |
| YTD Rate   | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  |

### SimActual

|            | Sep 2014  | Oct 2014  | Nov 2014  | Dec 2014  | Jan 2015  | Feb 2015  | Mar 2015  | Apr 2015  | May 2015  | Jun 2015  | Jul 2015  | Aug 2015  |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Month Use  | 67        | 240       | 336       | 610       | 580       | 568       | 367       | 405       | 72        | 57        | 54        | 59        |
| YTD Use    | 67        | 307       | 643       | 1,253     | 1,833     | 2,401     | 2,768     | 3,173     | 3,245     | 3,303     | 3,356     | 3,416     |
| Month \$   | \$ 1,455  | \$ 5,211  | \$ 7,296  | \$ 13,245 | \$ 12,600 | \$ 12,333 | \$ 7,958  | \$ 8,798  | \$ 1,572  | \$ 1,240  | \$ 1,168  | \$ 1,290  |
| YTD \$     | \$ 1,455  | \$ 6,666  | \$ 13,961 | \$ 27,206 | \$ 39,806 | \$ 52,139 | \$ 60,097 | \$ 68,895 | \$ 70,467 | \$ 71,707 | \$ 72,875 | \$ 74,165 |
| BP Length  | 30        | 31        | 30        | 31        | 31        | 28        | 31        | 30        | 31        | 30        | 31        | 31        |
| HDD        | 23        | 175       | 577       | 699       | 1,013     | 1,114     | 689       | 192       | 33        | 6         | -         | -         |
| CDD        | 71        | 4         | -         | -         | -         | -         | -         | 1         | 129       | 184       | 257       | 203       |
| Month Rate | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 |
| YTD Rate   | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 |

### SimActual vs. Adjusted Baseline

|           | Sep 2014 | Oct 2014 | Nov 2014 | Dec 2014 | Jan 2015 | Feb 2015 | Mar 2015 | Apr 2015 | May 2015 | Jun 2015 | Jul 2015 | Aug 2015 |
|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Month Use | 57.0%    | -26.5%   | -68.8%   | -53.3%   | -69.3%   | -72.7%   | -71.5%   | 12.8%    | 18.0%    | 381.5%   | 7894.6%  | 8726.8%  |
| YTD Use   | 57.0%    | -16.9%   | -55.6%   | -54.5%   | -60.5%   | -64.3%   | -65.5%   | -62.1%   | -61.5%   | -60.9%   | -60.3%   | -59.6%   |
| Month \$  | 57.0%    | -26.5%   | -68.8%   | -53.3%   | -69.3%   | -72.7%   | -71.5%   | 12.8%    | 18.0%    | 381.5%   | 7894.6%  | 8726.8%  |
| YTD \$    | 57.0%    | -16.9%   | -55.6%   | -54.5%   | -60.5%   | -64.3%   | -65.5%   | -62.1%   | -61.5%   | -60.9%   | -60.3%   | -59.6%   |
| BP Length | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| HDD       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| CDD       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |

### Use Avoidance

|           |      |    |     |       |       |       |       |       |       |       |       |       |
|-----------|------|----|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Month Use | (24) | 87 | 742 | 695   | 1,312 | 1,513 | 921   | (46)  | (11)  | (45)  | (53)  | (59)  |
| YTD Use   | (24) | 62 | 805 | 1,500 | 2,812 | 4,326 | 5,247 | 5,201 | 5,190 | 5,145 | 5,091 | 5,033 |

### Cost Avoidance

|              |          |          |           |           |           |           |            |            |            |            |            |            |
|--------------|----------|----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|
| Month Use \$ | \$ (528) | \$ 1,880 | \$ 16,119 | \$ 15,097 | \$ 28,497 | \$ 32,859 | \$ 19,999  | \$ (997)   | \$ (239)   | \$ (982)   | \$ (1,154) | \$ (1,275) |
| YTD \$       | \$ (528) | \$ 1,352 | \$ 17,471 | \$ 32,569 | \$ 61,065 | \$ 93,924 | \$ 113,923 | \$ 112,926 | \$ 112,687 | \$ 111,704 | \$ 110,551 | \$ 109,276 |

# Meter Detail Report

Baseline: Usage and costs representative of the facility's operations for the baseline period as seen in the contract.

Adjusted Baseline: Baseline usage and Cost adjusted to conditions of the current year. (Includes: weather, number of billing days and Facility Changes)

SimActual: Current year usage and calculated costs using the applicable contract rate.

## Meter: PA 1-31 Water

### Baseline

|            | Sep 2006 | Oct 2006 | Nov 2006 | Dec 2006  | Jan 2006  | Feb 2006  | Mar 2006  | Apr 2006  | May 2006  | Jun 2006  | Jul 2006  | Aug 2006  |
|------------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Month Use  | 341      | 267      | 258      | 267       | 255       | 181       | 382       | 411       | 97        | 491       | 325       | 381       |
| YTD Use    | 341      | 608      | 866      | 1,133     | 1,388     | 1,569     | 1,951     | 2,362     | 2,459     | 2,950     | 3,275     | 3,656     |
| Month \$   | \$ 3,161 | \$ 2,475 | \$ 2,392 | \$ 2,471  | \$ 2,364  | \$ 1,678  | \$ 3,541  | \$ 3,810  | \$ 899    | \$ 4,552  | \$ 3,013  | \$ 3,532  |
| YTD \$     | \$ 3,161 | \$ 5,636 | \$ 8,028 | \$ 10,499 | \$ 12,863 | \$ 14,541 | \$ 18,082 | \$ 21,892 | \$ 22,791 | \$ 27,343 | \$ 30,356 | \$ 33,888 |
| BP Length  | 30       | 31       | 30       | 31        | 31        | 28        | 31        | 30        | 31        | 30        | 31        | 31        |
| HDD        | 134      | 442      | 604      | 812       | 833       | 969       | 832       | 349       | 236       | 47        | 4         | -         |
| CDD        | 12       | -        | -        | -         | -         | -         | -         | -         | 42        | 83        | 263       | 266       |
| Month Rate | \$ 9.270 | \$ 9.270 | \$ 9.271 | \$ 9.255  | \$ 9.271  | \$ 9.271  | \$ 9.270  | \$ 9.270  | \$ 9.268  | \$ 9.271  | \$ 9.271  | \$ 9.270  |
| YTD Rate   | \$ 9.270 | \$ 9.270 | \$ 9.270 | \$ 9.267  | \$ 9.267  | \$ 9.268  | \$ 9.268  | \$ 9.268  | \$ 9.268  | \$ 9.269  | \$ 9.269  | \$ 9.269  |

### Adjusted Baseline

|            | Sep 2014  | Oct 2014  | Nov 2014  | Dec 2014  | Jan 2015  | Feb 2015  | Mar 2015  | Apr 2015  | May 2015  | Jun 2015  | Jul 2015  | Aug 2015  |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Month Use  | 341       | 267       | 258       | 267       | 255       | 181       | 382       | 411       | 97        | 491       | 325       | 381       |
| YTD Use    | 341       | 608       | 866       | 1,133     | 1,388     | 1,569     | 1,951     | 2,362     | 2,459     | 2,950     | 3,275     | 3,656     |
| Month \$   | \$ 3,454  | \$ 2,705  | \$ 2,613  | \$ 2,705  | \$ 2,583  | \$ 1,833  | \$ 3,870  | \$ 4,163  | \$ 983    | \$ 4,974  | \$ 3,292  | \$ 3,859  |
| YTD \$     | \$ 3,454  | \$ 6,159  | \$ 8,772  | \$ 11,477 | \$ 14,060 | \$ 15,893 | \$ 19,763 | \$ 23,926 | \$ 24,909 | \$ 29,882 | \$ 33,174 | \$ 37,034 |
| BP Length  | 30        | 31        | 30        | 31        | 31        | 28        | 31        | 30        | 31        | 30        | 31        | 31        |
| HDD        | 98        | 355       | 787       | 916       | 1,230     | 1,310     | 906       | 365       | 95        | 27        | -         | 7         |
| CDD        | 71        | 4         | -         | -         | -         | -         | -         | 1         | 129       | 184       | 257       | 203       |
| Month Rate | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 |
| YTD Rate   | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 |

### SimActual

|            | Sep 2014  | Oct 2014  | Nov 2014  | Dec 2014  | Jan 2015  | Feb 2015  | Mar 2015  | Apr 2015  | May 2015  | Jun 2015  | Jul 2015  | Aug 2015  |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Month Use  | 118       | 104       | 104       | 107       | 112       | 100       | 104       | 150       | 58        | 58        | 58        | 150       |
| YTD Use    | 118       | 222       | 326       | 433       | 545       | 645       | 749       | 899       | 957       | 1,015     | 1,073     | 1,223     |
| Month \$   | \$ 1,195  | \$ 1,053  | \$ 1,053  | \$ 1,084  | \$ 1,135  | \$ 1,013  | \$ 1,053  | \$ 1,519  | \$ 588    | \$ 588    | \$ 588    | \$ 1,519  |
| YTD \$     | \$ 1,195  | \$ 2,249  | \$ 3,302  | \$ 4,386  | \$ 5,521  | \$ 6,534  | \$ 7,587  | \$ 9,107  | \$ 9,694  | \$ 10,282 | \$ 10,869 | \$ 12,389 |
| BP Length  | 30        | 31        | 30        | 31        | 31        | 28        | 31        | 30        | 31        | 30        | 31        | 31        |
| HDD        | 98        | 355       | 787       | 916       | 1,230     | 1,310     | 906       | 365       | 95        | 27        | -         | 7         |
| CDD        | 71        | 4         | -         | -         | -         | -         | -         | 1         | 129       | 184       | 257       | 203       |
| Month Rate | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 |
| YTD Rate   | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 |

### SimActual vs. Adjusted Baseline

|           | Sep 2014 | Oct 2014 | Nov 2014 | Dec 2014 | Jan 2015 | Feb 2015 | Mar 2015 | Apr 2015 | May 2015 | Jun 2015 | Jul 2015 | Aug 2015 |
|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Month Use | -65.4%   | -61.0%   | -59.7%   | -59.9%   | -56.1%   | -44.8%   | -72.8%   | -63.5%   | -40.2%   | -88.2%   | -82.2%   | -60.6%   |
| YTD Use   | -65.4%   | -63.5%   | -62.4%   | -61.8%   | -60.7%   | -58.9%   | -61.6%   | -61.9%   | -61.1%   | -65.6%   | -67.2%   | -66.5%   |
| Month \$  | -65.4%   | -61.0%   | -59.7%   | -59.9%   | -56.1%   | -44.8%   | -72.8%   | -63.5%   | -40.2%   | -88.2%   | -82.2%   | -60.6%   |
| YTD \$    | -65.4%   | -63.5%   | -62.4%   | -61.8%   | -60.7%   | -58.9%   | -61.6%   | -61.9%   | -61.1%   | -65.6%   | -67.2%   | -66.5%   |
| BP Length | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| HDD       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| CDD       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |

### Use Avoidance

|           |     |     |     |     |     |     |       |       |       |       |       |       |
|-----------|-----|-----|-----|-----|-----|-----|-------|-------|-------|-------|-------|-------|
| Month Use | 223 | 163 | 154 | 160 | 143 | 81  | 278   | 261   | 39    | 433   | 267   | 231   |
| YTD Use   | 223 | 386 | 540 | 700 | 843 | 924 | 1,202 | 1,463 | 1,502 | 1,935 | 2,202 | 2,433 |

### Cost Avoidance

|              |          |          |          |          |          |          |           |           |           |           |           |           |
|--------------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Month Use \$ | \$ 2,259 | \$ 1,651 | \$ 1,560 | \$ 1,621 | \$ 1,449 | \$ 820   | \$ 2,816  | \$ 2,644  | \$ 395    | \$ 4,386  | \$ 2,705  | \$ 2,340  |
| YTD \$       | \$ 2,259 | \$ 3,910 | \$ 5,470 | \$ 7,091 | \$ 8,539 | \$ 9,360 | \$ 12,176 | \$ 14,820 | \$ 15,215 | \$ 19,601 | \$ 22,305 | \$ 24,645 |

# Meter Detail Report

Baseline: Usage and costs representative of the facility's operations for the baseline period as seen in the contract.

Adjusted Baseline: Baseline usage and Cost adjusted to conditions of the current year. (Includes: weather, number of billing days and Facility Changes)

SimActual: Current year usage and calculated costs using the applicable contract rate.

## Meter: PA 1-40 Gas

### Baseline

|            | Sep 2006  | Oct 2006  | Nov 2006  | Dec 2006  | Jan 2006  | Feb 2006  | Mar 2006  | Apr 2006  | May 2006  | Jun 2006  | Jul 2006  | Aug 2006  |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Month Use  | 64        | 213       | 291       | 390       | 401       | 466       | 400       | 168       | 114       | 23        | 2         | -         |
| YTD Use    | 64        | 277       | 568       | 958       | 1,359     | 1,825     | 2,225     | 2,393     | 2,507     | 2,530     | 2,532     | 2,532     |
| Month \$   | \$ 1,281  | \$ 4,226  | \$ 5,775  | \$ 7,766  | \$ 7,965  | \$ 9,265  | \$ 7,955  | \$ 3,337  | \$ 2,257  | \$ 449    | \$ 38     | \$ -      |
| YTD \$     | \$ 1,281  | \$ 5,507  | \$ 11,282 | \$ 19,048 | \$ 27,013 | \$ 36,278 | \$ 44,233 | \$ 47,570 | \$ 49,827 | \$ 50,276 | \$ 50,314 | \$ 50,314 |
| BP Length  | 30        | 31        | 30        | 31        | 31        | 28        | 31        | 30        | 31        | 30        | 31        | 31        |
| HDD        | 134       | 442       | 604       | 812       | 833       | 969       | 832       | 349       | 236       | 47        | 4         | -         |
| CDD        | 12        | -         | -         | -         | -         | -         | -         | -         | 42        | 83        | 263       | 266       |
| Month Rate | \$ 20.016 | \$ 19.840 | \$ 19.845 | \$ 19.913 | \$ 19.863 | \$ 19.882 | \$ 19.888 | \$ 19.863 | \$ 19.798 | \$ 19.522 | \$ 19.000 | \$ -      |
| YTD Rate   | \$ 20.016 | \$ 19.881 | \$ 19.863 | \$ 19.883 | \$ 19.877 | \$ 19.878 | \$ 19.880 | \$ 19.879 | \$ 19.875 | \$ 19.872 | \$ 19.871 | \$ 19.871 |

### Adjusted Baseline

|            | Sep 2014  | Oct 2014  | Nov 2014  | Dec 2014  | Jan 2015  | Feb 2015  | Mar 2015  | Apr 2015  | May 2015  | Jun 2015  | Jul 2015  | Aug 2015  |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Month Use  | 47        | 171       | 379       | 440       | 592       | 630       | 436       | 176       | 46        | 13        | 1         | 4         |
| YTD Use    | 47        | 218       | 597       | 1,038     | 1,629     | 2,259     | 2,695     | 2,871     | 2,916     | 2,930     | 2,930     | 2,934     |
| Month \$   | \$ 1,028  | \$ 3,715  | \$ 8,222  | \$ 9,563  | \$ 12,844 | \$ 13,678 | \$ 9,464  | \$ 3,814  | \$ 997    | \$ 287    | \$ 11     | \$ 79     |
| YTD \$     | \$ 1,028  | \$ 4,743  | \$ 12,965 | \$ 22,528 | \$ 35,372 | \$ 49,050 | \$ 58,514 | \$ 62,328 | \$ 63,325 | \$ 63,612 | \$ 63,623 | \$ 63,702 |
| BP Length  | 30        | 31        | 30        | 31        | 31        | 28        | 31        | 30        | 31        | 30        | 31        | 30        |
| HDD        | 98        | 355       | 787       | 916       | 1,230     | 1,310     | 906       | 365       | 95        | 27        | -         | 7         |
| CDD        | 71        | 4         | -         | -         | -         | -         | -         | 1         | 129       | 184       | 257       | 191       |
| Month Rate | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 |
| YTD Rate   | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 |

### SimActual

|            | Sep 2014  | Oct 2014  | Nov 2014  | Dec 2014  | Jan 2015  | Feb 2015  | Mar 2015  | Apr 2015  | May 2015  | Jun 2015  | Jul 2015  | Aug 2015  |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Month Use  | 15        | 18        | 42        | 65        | 77        | 80        | 53        | 22        | 16        | 13        | 13        | 11        |
| YTD Use    | 15        | 33        | 75        | 140       | 217       | 297       | 350       | 372       | 388       | 401       | 414       | 426       |
| Month \$   | \$ 326    | \$ 391    | \$ 912    | \$ 1,411  | \$ 1,670  | \$ 1,731  | \$ 1,155  | \$ 482    | \$ 350    | \$ 282    | \$ 284    | \$ 245    |
| YTD \$     | \$ 326    | \$ 717    | \$ 1,628  | \$ 3,040  | \$ 4,710  | \$ 6,440  | \$ 7,595  | \$ 8,077  | \$ 8,427  | \$ 8,709  | \$ 8,994  | \$ 9,239  |
| BP Length  | 30        | 31        | 30        | 31        | 31        | 28        | 31        | 30        | 31        | 30        | 31        | 30        |
| HDD        | 98        | 355       | 787       | 916       | 1,230     | 1,310     | 906       | 365       | 95        | 27        | -         | 7         |
| CDD        | 71        | 4         | -         | -         | -         | -         | -         | 1         | 129       | 184       | 257       | 191       |
| Month Rate | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 |
| YTD Rate   | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 |

### SimActual vs. Adjusted Baseline

|           | Sep 2014 | Oct 2014 | Nov 2014 | Dec 2014 | Jan 2015 | Feb 2015 | Mar 2015 | Apr 2015 | May 2015 | Jun 2015 | Jul 2015 | Aug 2015 |
|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Month Use | -68.3%   | -89.5%   | -88.9%   | -85.2%   | -87.0%   | -87.3%   | -87.8%   | -87.4%   | -64.9%   | -1.7%    | 2464.8%  | 212.4%   |
| YTD Use   | -68.3%   | -84.9%   | -87.4%   | -86.5%   | -86.7%   | -86.9%   | -87.0%   | -87.0%   | -86.7%   | -86.3%   | -85.9%   | -85.5%   |
| Month \$  | -68.3%   | -89.5%   | -88.9%   | -85.2%   | -87.0%   | -87.3%   | -87.8%   | -87.4%   | -64.9%   | -1.7%    | 2464.8%  | 212.4%   |
| YTD \$    | -68.3%   | -84.9%   | -87.4%   | -86.5%   | -86.7%   | -86.9%   | -87.0%   | -87.0%   | -86.7%   | -86.3%   | -85.9%   | -85.5%   |
| BP Length | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| HDD       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| CDD       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |

### Use Avoidance

|           | Sep 2014 | Oct 2014 | Nov 2014 | Dec 2014 | Jan 2015 | Feb 2015 | Mar 2015 | Apr 2015 | May 2015 | Jun 2015 | Jul 2015 | Aug 2015 |
|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Month Use | 32       | 153      | 337      | 375      | 515      | 550      | 383      | 153      | 30       | 0        | (13)     | (8)      |
| YTD Use   | 32       | 185      | 522      | 898      | 1,412    | 1,962    | 2,345    | 2,499    | 2,528    | 2,529    | 2,516    | 2,508    |

### Cost Avoidance

|              | Sep 2014 | Oct 2014 | Nov 2014  | Dec 2014  | Jan 2015  | Feb 2015  | Mar 2015  | Apr 2015  | May 2015  | Jun 2015  | Jul 2015  | Aug 2015  |
|--------------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Month Use \$ | \$ 702   | \$ 3,324 | \$ 7,310  | \$ 8,152  | \$ 11,175 | \$ 11,947 | \$ 8,309  | \$ 3,332  | \$ 647    | \$ 5      | \$ (273)  | \$ (167)  |
| YTD \$       | \$ 702   | \$ 4,026 | \$ 11,336 | \$ 19,488 | \$ 30,663 | \$ 42,610 | \$ 50,919 | \$ 54,251 | \$ 54,898 | \$ 54,903 | \$ 54,630 | \$ 54,463 |

# Meter Detail Report

Baseline: Usage and costs representative of the facility's operations for the baseline period as seen in the contract.

Adjusted Baseline: Baseline usage and Cost adjusted to conditions of the current year. (Includes: weather, number of billing days and Facility Changes)

SimActual: Current year usage and calculated costs using the applicable contract rate.

## Meter: PA 1-40 Water

### Baseline

|            | Sep 2006 | Oct 2006 | Nov 2006 | Dec 2006 | Jan 2006 | Feb 2006 | Mar 2006 | Apr 2006 | May 2006 | Jun 2006  | Jul 2006  | Aug 2006  |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|
| Month Use  | 179      | 112      | 78       | 110      | 75       | 100      | 130      | 95       | 107      | 192       | 89        | 59        |
| YTD Use    | 179      | 291      | 369      | 479      | 554      | 654      | 784      | 879      | 986      | 1,178     | 1,267     | 1,326     |
| Month \$   | \$ 1,659 | \$ 1,038 | \$ 723   | \$ 1,022 | \$ 695   | \$ 927   | \$ 1,205 | \$ 881   | \$ 992   | \$ 1,780  | \$ 825    | \$ 547    |
| YTD \$     | \$ 1,659 | \$ 2,697 | \$ 3,420 | \$ 4,442 | \$ 5,137 | \$ 6,064 | \$ 7,269 | \$ 8,150 | \$ 9,142 | \$ 10,922 | \$ 11,747 | \$ 12,294 |
| BP Length  | 30       | 31       | 30       | 31       | 31       | 28       | 31       | 30       | 31       | 30        | 31        | 31        |
| HDD        | 134      | 442      | 604      | 812      | 833      | 969      | 832      | 349      | 236      | 47        | 4         | -         |
| CDD        | 12       | -        | -        | -        | -        | -        | -        | -        | 42       | 83        | 263       | 266       |
| Month Rate | \$ 9.268 | \$ 9.268 | \$ 9.269 | \$ 9.291 | \$ 9.267 | \$ 9.270 | \$ 9.269 | \$ 9.274 | \$ 9.271 | \$ 9.271  | \$ 9.270  | \$ 9.271  |
| YTD Rate   | \$ 9.268 | \$ 9.268 | \$ 9.268 | \$ 9.273 | \$ 9.273 | \$ 9.272 | \$ 9.272 | \$ 9.272 | \$ 9.272 | \$ 9.272  | \$ 9.272  | \$ 9.271  |

### Adjusted Baseline

|            | Sep 2014  | Oct 2014  | Nov 2014  | Dec 2014  | Jan 2015  | Feb 2015  | Mar 2015  | Apr 2015  | May 2015  | Jun 2015  | Jul 2015  | Aug 2015  |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Month Use  | 179       | 112       | 78        | 110       | 75        | 100       | 130       | 95        | 107       | 192       | 89        | 59        |
| YTD Use    | 179       | 291       | 369       | 479       | 554       | 654       | 784       | 879       | 986       | 1,178     | 1,267     | 1,326     |
| Month \$   | \$ 1,813  | \$ 1,135  | \$ 790    | \$ 1,114  | \$ 760    | \$ 1,013  | \$ 1,317  | \$ 962    | \$ 1,084  | \$ 1,945  | \$ 902    | \$ 598    |
| YTD \$     | \$ 1,813  | \$ 2,948  | \$ 3,738  | \$ 4,852  | \$ 5,612  | \$ 6,625  | \$ 7,942  | \$ 8,904  | \$ 9,988  | \$ 11,933 | \$ 12,834 | \$ 13,432 |
| BP Length  | 30        | 31        | 30        | 31        | 31        | 28        | 31        | 30        | 31        | 30        | 31        | 31        |
| HDD        | 98        | 355       | 787       | 916       | 1,230     | 1,310     | 906       | 365       | 95        | 27        | -         | 7         |
| CDD        | 71        | 4         | -         | -         | -         | -         | -         | 1         | 129       | 184       | 257       | 203       |
| Month Rate | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 |
| YTD Rate   | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 |

### SimActual

|            | Sep 2014  | Oct 2014  | Nov 2014  | Dec 2014  | Jan 2015  | Feb 2015  | Mar 2015  | Apr 2015  | May 2015  | Jun 2015  | Jul 2015  | Aug 2015  |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Month Use  | 205       | 198       | 148       | 114       | 126       | 66        | 121       | 73        | 128       | 72        | 114       | 105       |
| YTD Use    | 205       | 403       | 551       | 665       | 791       | 857       | 978       | 1,051     | 1,179     | 1,251     | 1,365     | 1,470     |
| Month \$   | \$ 2,077  | \$ 2,006  | \$ 1,499  | \$ 1,155  | \$ 1,276  | \$ 669    | \$ 1,226  | \$ 739    | \$ 1,297  | \$ 729    | \$ 1,155  | \$ 1,064  |
| YTD \$     | \$ 2,077  | \$ 4,082  | \$ 5,581  | \$ 6,736  | \$ 8,013  | \$ 8,681  | \$ 9,907  | \$ 10,646 | \$ 11,943 | \$ 12,672 | \$ 13,827 | \$ 14,891 |
| BP Length  | 30        | 31        | 30        | 31        | 31        | 28        | 31        | 30        | 31        | 30        | 31        | 31        |
| HDD        | 98        | 355       | 787       | 916       | 1,230     | 1,310     | 906       | 365       | 95        | 27        | -         | 7         |
| CDD        | 71        | 4         | -         | -         | -         | -         | -         | 1         | 129       | 184       | 257       | 203       |
| Month Rate | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 |
| YTD Rate   | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 |

### SimActual vs. Adjusted Baseline

|           | Sep 2014 | Oct 2014 | Nov 2014 | Dec 2014 | Jan 2015 | Feb 2015 | Mar 2015 | Apr 2015 | May 2015 | Jun 2015 | Jul 2015 | Aug 2015 |
|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Month Use | 14.5%    | 76.8%    | 89.7%    | 3.6%     | 68.0%    | -34.0%   | -6.9%    | -23.2%   | 19.6%    | -62.5%   | 28.1%    | 78.0%    |
| YTD Use   | 14.5%    | 38.5%    | 49.3%    | 38.8%    | 42.8%    | 31.0%    | 24.7%    | 19.6%    | 19.6%    | 6.2%     | 7.7%     | 10.9%    |
| Month \$  | 14.5%    | 76.8%    | 89.7%    | 3.6%     | 68.0%    | -34.0%   | -6.9%    | -23.2%   | 19.6%    | -62.5%   | 28.1%    | 78.0%    |
| YTD \$    | 14.5%    | 38.5%    | 49.3%    | 38.8%    | 42.8%    | 31.0%    | 24.7%    | 19.6%    | 19.6%    | 6.2%     | 7.7%     | 10.9%    |
| BP Length | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| HDD       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| CDD       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |

### Use Avoidance

|           |      |       |       |       |       |       |       |       |       |      |      |       |
|-----------|------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|-------|
| Month Use | (26) | (86)  | (70)  | (4)   | (51)  | 34    | 9     | 22    | (21)  | 120  | (25) | (46)  |
| YTD Use   | (26) | (112) | (182) | (186) | (237) | (203) | (194) | (172) | (193) | (73) | (98) | (144) |

### Cost Avoidance

|              |          |            |            |            |            |            |            |            |            |          |          |            |
|--------------|----------|------------|------------|------------|------------|------------|------------|------------|------------|----------|----------|------------|
| Month Use \$ | \$ (263) | \$ (871)   | \$ (709)   | \$ (41)    | \$ (517)   | \$ 344     | \$ 91      | \$ 223     | \$ (213)   | \$ 1,216 | \$ (253) | \$ (466)   |
| YTD \$       | \$ (263) | \$ (1,135) | \$ (1,844) | \$ (1,884) | \$ (2,401) | \$ (2,056) | \$ (1,965) | \$ (1,742) | \$ (1,955) | \$ (739) | \$ (993) | \$ (1,459) |

# Meter Detail Report

Baseline: Usage and costs representative of the facility's operations for the baseline period as seen in the contract.

Adjusted Baseline: Baseline usage and Cost adjusted to conditions of the current year. (Includes: weather, number of billing days and Facility Changes)

SimActual: Current year usage and calculated costs using the applicable contract rate.

## Meter: PA 1-41 Gas

### Baseline

|            | Sep 2006  | Oct 2006  | Nov 2006  | Dec 2006  | Jan 2006  | Feb 2006  | Mar 2006  | Apr 2006  | May 2006  | Jun 2006  | Jul 2006  | Aug 2006  |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Month Use  | 68        | 224       | 445       | 748       | 745       | 727       | 635       | 272       | 142       | 90        | 39        | 63        |
| YTD Use    | 68        | 292       | 737       | 1,485     | 2,230     | 2,957     | 3,592     | 3,864     | 4,006     | 4,096     | 4,135     | 4,198     |
| Month \$   | \$ 1,351  | \$ 4,451  | \$ 8,842  | \$ 14,869 | \$ 14,804 | \$ 14,446 | \$ 12,618 | \$ 5,405  | \$ 2,822  | \$ 1,788  | \$ 775    | \$ 1,252  |
| YTD \$     | \$ 1,351  | \$ 5,802  | \$ 14,644 | \$ 29,513 | \$ 44,317 | \$ 58,763 | \$ 71,381 | \$ 76,786 | \$ 79,608 | \$ 81,396 | \$ 82,171 | \$ 83,423 |
| BP Length  | 30        | 31        | 30        | 31        | 31        | 28        | 31        | 30        | 31        | 30        | 31        | 31        |
| HDD        | 53        | 300       | 454       | 657       | 678       | 829       | 679       | 221       | 125       | 16        | -         | -         |
| CDD        | 12        | -         | -         | -         | -         | -         | -         | -         | 42        | 83        | 263       | 266       |
| Month Rate | \$ 19.868 | \$ 19.871 | \$ 19.870 | \$ 19.878 | \$ 19.871 | \$ 19.871 | \$ 19.871 | \$ 19.871 | \$ 19.873 | \$ 19.867 | \$ 19.872 | \$ 19.873 |
| YTD Rate   | \$ 19.868 | \$ 19.870 | \$ 19.870 | \$ 19.874 | \$ 19.873 | \$ 19.873 | \$ 19.872 | \$ 19.872 | \$ 19.872 | \$ 19.872 | \$ 19.872 | \$ 19.872 |

### Adjusted Baseline

|            | Sep 2014  | Oct 2014  | Nov 2014  | Dec 2014  | Jan 2015  | Feb 2015  | Mar 2015  | Apr 2015   | May 2015   | Jun 2015   | Jul 2015   | Aug 2015   |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|------------|
| Month Use  | 73        | 245       | 625       | 740       | 1,029     | 1,112     | 731       | 257        | 86         | 49         | 41         | 41         |
| YTD Use    | 73        | 318       | 943       | 1,684     | 2,713     | 3,825     | 4,556     | 4,813      | 4,899      | 4,948      | 4,990      | 5,031      |
| Month \$   | \$ 1,580  | \$ 5,329  | \$ 13,577 | \$ 16,070 | \$ 22,343 | \$ 24,151 | \$ 15,880 | \$ 5,579   | \$ 1,858   | \$ 1,071   | \$ 901     | \$ 901     |
| YTD \$     | \$ 1,580  | \$ 6,908  | \$ 20,486 | \$ 36,556 | \$ 58,899 | \$ 83,050 | \$ 98,930 | \$ 104,509 | \$ 106,367 | \$ 107,438 | \$ 108,338 | \$ 109,239 |
| BP Length  | 30        | 31        | 30        | 31        | 31        | 28        | 31        | 30         | 31         | 30         | 31         | 31         |
| HDD        | 36        | 222       | 637       | 761       | 1,075     | 1,170     | 751       | 236        | 48         | 10         | -          | -          |
| CDD        | 71        | 4         | -         | -         | -         | -         | -         | 1          | 129        | 184        | 257        | 203        |
| Month Rate | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  |
| YTD Rate   | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  | \$ 21.713  |

### SimActual

|            | Sep 2014  | Oct 2014  | Nov 2014  | Dec 2014  | Jan 2015  | Feb 2015  | Mar 2015  | Apr 2015  | May 2015  | Jun 2015  | Jul 2015  | Aug 2015  |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Month Use  | 52        | 158       | 363       | 613       | 673       | -         | 615       | 352       | 63        | 59        | 49        | 47        |
| YTD Use    | 52        | 210       | 573       | 1,186     | 1,859     | 1,859     | 2,474     | 2,827     | 2,889     | 2,948     | 2,997     | 3,044     |
| Month \$   | \$ 1,129  | \$ 3,431  | \$ 7,882  | \$ 13,310 | \$ 14,622 | \$ -      | \$ 13,347 | \$ 7,652  | \$ 1,361  | \$ 1,281  | \$ 1,053  | \$ 1,016  |
| YTD \$     | \$ 1,129  | \$ 4,560  | \$ 12,442 | \$ 25,752 | \$ 40,373 | \$ 40,373 | \$ 53,720 | \$ 61,372 | \$ 62,733 | \$ 64,014 | \$ 65,067 | \$ 66,084 |
| BP Length  | 30        | 31        | 30        | 31        | 31        | 28        | 31        | 30        | 31        | 30        | 31        | 31        |
| HDD        | 36        | 222       | 637       | 761       | 1,075     | 1,170     | 751       | 236       | 48        | 10        | -         | -         |
| CDD        | 71        | 4         | -         | -         | -         | -         | -         | 1         | 129       | 184       | 257       | 203       |
| Month Rate | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ -      | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 |
| YTD Rate   | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 |

### SimActual vs. Adjusted Baseline

|           | Sep 2014 | Oct 2014 | Nov 2014 | Dec 2014 | Jan 2015 | Feb 2015 | Mar 2015 | Apr 2015 | May 2015 | Jun 2015 | Jul 2015 | Aug 2015 |
|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Month Use | -28.5%   | -35.6%   | -41.9%   | -17.2%   | -34.6%   | -100.0%  | -16.0%   | 37.2%    | -26.7%   | 19.6%    | 16.9%    | 12.8%    |
| YTD Use   | -28.5%   | -34.0%   | -39.3%   | -29.6%   | -31.5%   | -51.4%   | -45.7%   | -41.3%   | -41.0%   | -40.4%   | -39.9%   | -39.5%   |
| Month \$  | -28.5%   | -35.6%   | -41.9%   | -17.2%   | -34.6%   | -100.0%  | -16.0%   | 37.2%    | -26.7%   | 19.6%    | 16.9%    | 12.8%    |
| YTD \$    | -28.5%   | -34.0%   | -39.3%   | -29.6%   | -31.5%   | -51.4%   | -45.7%   | -41.3%   | -41.0%   | -40.4%   | -39.9%   | -39.5%   |
| BP Length | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| HDD       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| CDD       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |

### Use Avoidance

|           |    |     |     |     |     |       |       |       |       |       |       |       |
|-----------|----|-----|-----|-----|-----|-------|-------|-------|-------|-------|-------|-------|
| Month Use | 21 | 87  | 262 | 127 | 356 | 1,112 | 117   | (95)  | 23    | (10)  | (7)   | (5)   |
| YTD Use   | 21 | 108 | 370 | 498 | 853 | 1,965 | 2,082 | 1,987 | 2,010 | 2,000 | 1,993 | 1,988 |

### Cost Avoidance

|              |        |          |          |           |           |           |           |            |           |           |           |           |
|--------------|--------|----------|----------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|-----------|
| Month Use \$ | \$ 450 | \$ 1,898 | \$ 5,696 | \$ 2,760  | \$ 7,722  | \$ 24,151 | \$ 2,533  | \$ (2,073) | \$ 497    | \$ (210)  | \$ (153)  | \$ (116)  |
| YTD \$       | \$ 450 | \$ 2,348 | \$ 8,044 | \$ 10,804 | \$ 18,525 | \$ 42,676 | \$ 45,210 | \$ 43,137  | \$ 43,634 | \$ 43,423 | \$ 43,271 | \$ 43,155 |

# Meter Detail Report

Baseline: Usage and costs representative of the facility's operations for the baseline period as seen in the contract.

Adjusted Baseline: Baseline usage and Cost adjusted to conditions of the current year. (Includes: weather, number of billing days and Facility Changes)

SimActual: Current year usage and calculated costs using the applicable contract rate.

## Meter: PA 1-41 Water

### Baseline

|            | Sep 2006 | Oct 2006 | Nov 2006 | Dec 2006  | Jan 2006  | Feb 2006  | Mar 2006  | Apr 2006  | May 2006  | Jun 2006  | Jul 2006  | Aug 2006  |
|------------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Month Use  | 271      | 251      | 323      | 253       | 269       | 271       | 167       | 321       | 514       | 277       | 270       | 267       |
| YTD Use    | 271      | 522      | 845      | 1,098     | 1,367     | 1,638     | 1,805     | 2,126     | 2,640     | 2,917     | 3,187     | 3,454     |
| Month \$   | \$ 2,512 | \$ 2,327 | \$ 2,994 | \$ 2,341  | \$ 2,494  | \$ 2,512  | \$ 1,548  | \$ 2,976  | \$ 4,765  | \$ 2,568  | \$ 2,503  | \$ 2,475  |
| YTD \$     | \$ 2,512 | \$ 4,839 | \$ 7,833 | \$ 10,174 | \$ 12,668 | \$ 15,180 | \$ 16,728 | \$ 19,704 | \$ 24,469 | \$ 27,037 | \$ 29,540 | \$ 32,015 |
| BP Length  | 30       | 31       | 30       | 31        | 31        | 28        | 31        | 30        | 31        | 30        | 31        | 31        |
| HDD        | 134      | 442      | 604      | 812       | 833       | 969       | 832       | 349       | 236       | 47        | 4         | -         |
| CDD        | 12       | -        | -        | -         | -         | -         | -         | -         | 42        | 83        | 263       | 266       |
| Month Rate | \$ 9.269 | \$ 9.271 | \$ 9.269 | \$ 9.253  | \$ 9.271  | \$ 9.269  | \$ 9.269  | \$ 9.271  | \$ 9.270  | \$ 9.271  | \$ 9.270  | \$ 9.270  |
| YTD Rate   | \$ 9.269 | \$ 9.270 | \$ 9.270 | \$ 9.266  | \$ 9.267  | \$ 9.267  | \$ 9.268  | \$ 9.268  | \$ 9.269  | \$ 9.269  | \$ 9.269  | \$ 9.269  |

### Adjusted Baseline

|            | Sep 2014  | Oct 2014  | Nov 2014  | Dec 2014  | Jan 2015  | Feb 2015  | Mar 2015  | Apr 2015  | May 2015  | Jun 2015  | Jul 2015  | Aug 2015  |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Month Use  | 271       | 251       | 323       | 253       | 269       | 271       | 167       | 321       | 514       | 277       | 270       | 267       |
| YTD Use    | 271       | 522       | 845       | 1,098     | 1,367     | 1,638     | 1,805     | 2,126     | 2,640     | 2,917     | 3,187     | 3,454     |
| Month \$   | \$ 2,745  | \$ 2,543  | \$ 3,272  | \$ 2,563  | \$ 2,725  | \$ 2,745  | \$ 1,692  | \$ 3,252  | \$ 5,207  | \$ 2,806  | \$ 2,735  | \$ 2,705  |
| YTD \$     | \$ 2,745  | \$ 5,288  | \$ 8,560  | \$ 11,122 | \$ 13,847 | \$ 16,592 | \$ 18,284 | \$ 21,536 | \$ 26,742 | \$ 29,548 | \$ 32,283 | \$ 34,988 |
| BP Length  | 30        | 31        | 30        | 31        | 31        | 28        | 31        | 30        | 31        | 30        | 31        | 31        |
| HDD        | 98        | 355       | 787       | 916       | 1,230     | 1,310     | 906       | 365       | 95        | 27        | -         | 7         |
| CDD        | 71        | 4         | -         | -         | -         | -         | -         | 1         | 129       | 184       | 257       | 203       |
| Month Rate | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 |
| YTD Rate   | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 |

### SimActual

|            | Sep 2014  | Oct 2014  | Nov 2014  | Dec 2014  | Jan 2015  | Feb 2015  | Mar 2015  | Apr 2015  | May 2015  | Jun 2015  | Jul 2015  | Aug 2015  |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Month Use  | 284       | 316       | 312       | 311       | 569       | 425       | 30        | 311       | 309       | 293       | 304       | 317       |
| YTD Use    | 284       | 600       | 912       | 1,223     | 1,792     | 2,217     | 2,247     | 2,558     | 2,867     | 3,160     | 3,464     | 3,781     |
| Month \$   | \$ 2,877  | \$ 3,201  | \$ 3,160  | \$ 3,150  | \$ 5,764  | \$ 4,305  | \$ 304    | \$ 3,150  | \$ 3,130  | \$ 2,968  | \$ 3,079  | \$ 3,211  |
| YTD \$     | \$ 2,877  | \$ 6,078  | \$ 9,238  | \$ 12,389 | \$ 18,152 | \$ 22,457 | \$ 22,761 | \$ 25,912 | \$ 29,042 | \$ 32,010 | \$ 35,089 | \$ 38,300 |
| BP Length  | 30        | 31        | 30        | 31        | 31        | 28        | 31        | 30        | 31        | 30        | 31        | 31        |
| HDD        | 98        | 355       | 787       | 916       | 1,230     | 1,310     | 906       | 365       | 95        | 27        | -         | 7         |
| CDD        | 71        | 4         | -         | -         | -         | -         | -         | 1         | 129       | 184       | 257       | 203       |
| Month Rate | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 |
| YTD Rate   | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 |

### SimActual vs. Adjusted Baseline

|           | Sep 2014 | Oct 2014 | Nov 2014 | Dec 2014 | Jan 2015 | Feb 2015 | Mar 2015 | Apr 2015 | May 2015 | Jun 2015 | Jul 2015 | Aug 2015 |
|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Month Use | 4.8%     | 25.9%    | -3.4%    | 22.9%    | 111.5%   | 56.8%    | -82.0%   | -3.1%    | -39.9%   | 5.8%     | 12.6%    | 18.7%    |
| YTD Use   | 4.8%     | 14.9%    | 7.9%     | 11.4%    | 31.1%    | 35.3%    | 24.5%    | 20.3%    | 8.6%     | 8.3%     | 8.7%     | 9.5%     |
| Month \$  | 4.8%     | 25.9%    | -3.4%    | 22.9%    | 111.5%   | 56.8%    | -82.0%   | -3.1%    | -39.9%   | 5.8%     | 12.6%    | 18.7%    |
| YTD \$    | 4.8%     | 14.9%    | 7.9%     | 11.4%    | 31.1%    | 35.3%    | 24.5%    | 20.3%    | 8.6%     | 8.3%     | 8.7%     | 9.5%     |
| BP Length | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| HDD       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| CDD       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |

### Use Avoidance

|           |      |      |      |       |       |       |       |       |       |       |       |       |
|-----------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Month Use | (13) | (65) | 11   | (58)  | (300) | (154) | 137   | 10    | 205   | (16)  | (34)  | (50)  |
| YTD Use   | (13) | (78) | (67) | (125) | (425) | (579) | (442) | (432) | (227) | (243) | (277) | (327) |

### Cost Avoidance

|              |          |          |          |            |            |            |            |            |            |            |            |            |
|--------------|----------|----------|----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Month Use \$ | \$ (132) | \$ (658) | \$ 111   | \$ (588)   | \$ (3,039) | \$ (1,560) | \$ 1,388   | \$ 101     | \$ 2,077   | \$ (162)   | \$ (344)   | \$ (506)   |
| YTD \$       | \$ (132) | \$ (790) | \$ (679) | \$ (1,266) | \$ (4,305) | \$ (5,865) | \$ (4,477) | \$ (4,376) | \$ (2,299) | \$ (2,461) | \$ (2,806) | \$ (3,312) |

# Meter Detail Report

Baseline: Usage and costs representative of the facility's operations for the baseline period as seen in the contract.

Adjusted Baseline: Baseline usage and Cost adjusted to conditions of the current year. (Includes: weather, number of billing days and Facility Changes)

SimActual: Current year usage and calculated costs using the applicable contract rate.

## Meter: PA 1-44 Gas

### Baseline

|            | Sep 2006  | Oct 2006  | Nov 2006  | Dec 2006  | Jan 2006  | Feb 2006  | Mar 2006  | Apr 2006  | May 2006  | Jun 2006  | Jul 2006  | Aug 2006  |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Month Use  | 60        | 114       | 213       | 197       | 300       | 233       | 129       | 149       | 67        | 61        | 29        | 42        |
| YTD Use    | 60        | 174       | 387       | 584       | 884       | 1,117     | 1,246     | 1,395     | 1,462     | 1,523     | 1,552     | 1,594     |
| Month \$   | \$ 1,192  | \$ 2,265  | \$ 4,232  | \$ 3,919  | \$ 5,961  | \$ 4,630  | \$ 2,563  | \$ 2,961  | \$ 1,331  | \$ 1,212  | \$ 576    | \$ 835    |
| YTD \$     | \$ 1,192  | \$ 3,457  | \$ 7,689  | \$ 11,608 | \$ 17,569 | \$ 22,199 | \$ 24,762 | \$ 27,723 | \$ 29,054 | \$ 30,266 | \$ 30,842 | \$ 31,677 |
| BP Length  | 30        | 31        | 30        | 31        | 31        | 28        | 31        | 30        | 31        | 30        | 31        | 31        |
| HDD        | 243       | 566       | 724       | 936       | 957       | 1,081     | 956       | 469       | 339       | 112       | 17        | 7         |
| CDD        | 12        | -         | -         | -         | -         | -         | -         | -         | 42        | 83        | 263       | 266       |
| Month Rate | \$ 19.867 | \$ 19.868 | \$ 19.869 | \$ 19.893 | \$ 19.870 | \$ 19.871 | \$ 19.868 | \$ 19.872 | \$ 19.866 | \$ 19.869 | \$ 19.862 | \$ 19.881 |
| YTD Rate   | \$ 19.867 | \$ 19.868 | \$ 19.868 | \$ 19.877 | \$ 19.874 | \$ 19.874 | \$ 19.873 | \$ 19.873 | \$ 19.873 | \$ 19.873 | \$ 19.872 | \$ 19.873 |

### Adjusted Baseline

|            | Sep 2014  | Oct 2014  | Nov 2014  | Dec 2014  | Jan 2015  | Feb 2015  | Mar 2015  | Apr 2015  | May 2015  | Jun 2015  | Jul 2015  | Aug 2015  |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Month Use  | 61        | 121       | 206       | 233       | 295       | 306       | 231       | 122       | 56        | 36        | 28        | 33        |
| YTD Use    | 61        | 182       | 387       | 620       | 915       | 1,221     | 1,452     | 1,573     | 1,629     | 1,666     | 1,693     | 1,726     |
| Month \$   | \$ 1,320  | \$ 2,622  | \$ 4,462  | \$ 5,052  | \$ 6,406  | \$ 6,644  | \$ 5,011  | \$ 2,640  | \$ 1,218  | \$ 790    | \$ 602    | \$ 710    |
| YTD \$     | \$ 1,320  | \$ 3,942  | \$ 8,404  | \$ 13,456 | \$ 19,863 | \$ 26,506 | \$ 31,517 | \$ 34,157 | \$ 35,375 | \$ 36,165 | \$ 36,767 | \$ 37,477 |
| BP Length  | 30        | 31        | 30        | 31        | 31        | 28        | 31        | 30        | 31        | 30        | 31        | 31        |
| HDD        | 178       | 476       | 907       | 1,040     | 1,354     | 1,422     | 1,030     | 484       | 150       | 55        | 7         | 32        |
| CDD        | 71        | 4         | -         | -         | -         | -         | -         | 1         | 129       | 184       | 257       | 203       |
| Month Rate | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 |
| YTD Rate   | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 |

### SimActual

|            | Sep 2014  | Oct 2014  | Nov 2014  | Dec 2014  | Jan 2015  | Feb 2015  | Mar 2015  | Apr 2015  | May 2015  | Jun 2015  | Jul 2015  | Aug 2015  |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Month Use  | 68        | 159       | 203       | 246       | 275       | 325       | 171       | 155       | 64        | 35        | 50        | 37        |
| YTD Use    | 68        | 227       | 430       | 676       | 951       | 1,275     | 1,446     | 1,601     | 1,665     | 1,700     | 1,750     | 1,787     |
| Month \$   | \$ 1,476  | \$ 3,452  | \$ 4,408  | \$ 5,341  | \$ 5,969  | \$ 7,046  | \$ 3,704  | \$ 3,374  | \$ 1,381  | \$ 753    | \$ 1,092  | \$ 812    |
| YTD \$     | \$ 1,476  | \$ 4,929  | \$ 9,337  | \$ 14,678 | \$ 20,647 | \$ 27,693 | \$ 31,397 | \$ 34,771 | \$ 36,152 | \$ 36,906 | \$ 37,998 | \$ 38,810 |
| BP Length  | 30        | 31        | 30        | 31        | 31        | 28        | 31        | 30        | 31        | 30        | 31        | 31        |
| HDD        | 178       | 476       | 907       | 1,040     | 1,354     | 1,422     | 1,030     | 484       | 150       | 55        | 7         | 32        |
| CDD        | 71        | 4         | -         | -         | -         | -         | -         | 1         | 129       | 184       | 257       | 203       |
| Month Rate | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 |
| YTD Rate   | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 |

### SimActual vs. Adjusted Baseline

|           | Sep 2014 | Oct 2014 | Nov 2014 | Dec 2014 | Jan 2015 | Feb 2015 | Mar 2015 | Apr 2015 | May 2015 | Jun 2015 | Jul 2015 | Aug 2015 |
|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Month Use | 11.9%    | 31.7%    | -1.2%    | 5.7%     | -6.8%    | 6.1%     | -26.1%   | 27.8%    | 13.4%    | -4.6%    | 81.5%    | 14.5%    |
| YTD Use   | 11.9%    | 25.0%    | 11.1%    | 9.1%     | 3.9%     | 4.5%     | -0.4%    | 1.8%     | 2.2%     | 2.0%     | 3.3%     | 3.6%     |
| Month \$  | 11.9%    | 31.7%    | -1.2%    | 5.7%     | -6.8%    | 6.1%     | -26.1%   | 27.8%    | 13.4%    | -4.6%    | 81.5%    | 14.5%    |
| YTD \$    | 11.9%    | 25.0%    | 11.1%    | 9.1%     | 3.9%     | 4.5%     | -0.4%    | 1.8%     | 2.2%     | 2.0%     | 3.3%     | 3.6%     |
| BP Length | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| HDD       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| CDD       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |

### Use Avoidance

|           |     |      |      |      |      |      |    |      |      |      |      |      |
|-----------|-----|------|------|------|------|------|----|------|------|------|------|------|
| Month Use | (7) | (38) | 3    | (13) | 20   | (19) | 60 | (34) | (8)  | 2    | (23) | (5)  |
| YTD Use   | (7) | (45) | (43) | (56) | (36) | (55) | 6  | (28) | (36) | (34) | (57) | (61) |

### Cost Avoidance

|              |          |          |          |            |          |            |          |          |          |          |            |            |
|--------------|----------|----------|----------|------------|----------|------------|----------|----------|----------|----------|------------|------------|
| Month Use \$ | \$ (157) | \$ (830) | \$ 55    | \$ (290)   | \$ 438   | \$ (402)   | \$ 1,307 | \$ (734) | \$ (163) | \$ 37    | \$ (490)   | \$ (103)   |
| YTD \$       | \$ (157) | \$ (987) | \$ (932) | \$ (1,222) | \$ (784) | \$ (1,186) | \$ 120   | \$ (614) | \$ (777) | \$ (740) | \$ (1,231) | \$ (1,333) |

# Meter Detail Report

Baseline: Usage and costs representative of the facility's operations for the baseline period as seen in the contract.

Adjusted Baseline: Baseline usage and Cost adjusted to conditions of the current year. (Includes: weather, number of billing days and Facility Changes)

SimActual: Current year usage and calculated costs using the applicable contract rate.

## Meter: PA 1-45 Gas

### Baseline

|            | Sep 2006  | Oct 2006  | Nov 2006  | Dec 2006  | Jan 2006  | Feb 2006  | Mar 2006  | Apr 2006  | May 2006  | Jun 2006  | Jul 2006  | Aug 2006  |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Month Use  | 80        | 162       | 288       | 498       | 486       | 428       | 461       | 152       | 137       | 187       | 67        | 53        |
| YTD Use    | 80        | 242       | 530       | 1,028     | 1,514     | 1,942     | 2,403     | 2,555     | 2,692     | 2,879     | 2,946     | 2,999     |
| Month \$   | \$ 1,590  | \$ 3,219  | \$ 5,723  | \$ 9,892  | \$ 9,657  | \$ 8,505  | \$ 9,160  | \$ 3,020  | \$ 2,722  | \$ 3,716  | \$ 1,331  | \$ 1,053  |
| YTD \$     | \$ 1,590  | \$ 4,809  | \$ 10,532 | \$ 20,424 | \$ 30,081 | \$ 38,586 | \$ 47,746 | \$ 50,766 | \$ 53,488 | \$ 57,204 | \$ 58,535 | \$ 59,588 |
| BP Length  | 30        | 31        | 30        | 31        | 31        | 28        | 31        | 30        | 31        | 30        | 31        | 31        |
| HDD        | 92        | 382       | 544       | 750       | 771       | 913       | 770       | 293       | 188       | 30        | -         | -         |
| CDD        | 12        | -         | -         | -         | -         | -         | -         | -         | 42        | 83        | 263       | 266       |
| Month Rate | \$ 19.875 | \$ 19.870 | \$ 19.872 | \$ 19.863 | \$ 19.870 | \$ 19.871 | \$ 19.870 | \$ 19.868 | \$ 19.869 | \$ 19.872 | \$ 19.866 | \$ 19.869 |
| YTD Rate   | \$ 19.875 | \$ 19.872 | \$ 19.872 | \$ 19.868 | \$ 19.869 | \$ 19.869 | \$ 19.869 | \$ 19.869 | \$ 19.869 | \$ 19.869 | \$ 19.869 | \$ 19.869 |

### Adjusted Baseline

|            | Sep 2014  | Oct 2014  | Nov 2014  | Dec 2014  | Jan 2015  | Feb 2015  | Mar 2015  | Apr 2015  | May 2015  | Jun 2015  | Jul 2015  | Aug 2015  |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Month Use  | 99        | 209       | 404       | 465       | 610       | 643       | 460       | 211       | 104       | 76        | 70        | 71        |
| YTD Use    | 99        | 308       | 712       | 1,176     | 1,786     | 2,429     | 2,889     | 3,100     | 3,203     | 3,280     | 3,350     | 3,421     |
| Month \$   | \$ 2,149  | \$ 4,530  | \$ 8,770  | \$ 10,088 | \$ 13,244 | \$ 13,959 | \$ 9,993  | \$ 4,571  | \$ 2,253  | \$ 1,657  | \$ 1,526  | \$ 1,546  |
| YTD \$     | \$ 2,149  | \$ 6,679  | \$ 15,449 | \$ 25,537 | \$ 38,781 | \$ 52,740 | \$ 62,733 | \$ 67,304 | \$ 69,557 | \$ 71,214 | \$ 72,740 | \$ 74,286 |
| BP Length  | 30        | 31        | 30        | 31        | 31        | 28        | 31        | 30        | 31        | 30        | 31        | 31        |
| HDD        | 67        | 300       | 727       | 854       | 1,168     | 1,254     | 844       | 309       | 73        | 18        | -         | 2         |
| CDD        | 71        | 4         | -         | -         | -         | -         | -         | 1         | 129       | 184       | 257       | 203       |
| Month Rate | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 |
| YTD Rate   | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 |

### SimActual

|            | Sep 2014  | Oct 2014  | Nov 2014  | Dec 2014  | Jan 2015  | Feb 2015  | Mar 2015  | Apr 2015  | May 2015  | Jun 2015  | Jul 2015  | Aug 2015  |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Month Use  | 68        | 144       | 239       | 368       | 408       | 466       | 383       | 183       | 86        | 72        | 60        | 59        |
| YTD Use    | 68        | 212       | 451       | 819       | 1,227     | 1,693     | 2,076     | 2,259     | 2,345     | 2,417     | 2,477     | 2,536     |
| Month \$   | \$ 1,476  | \$ 3,127  | \$ 5,189  | \$ 7,990  | \$ 8,863  | \$ 10,118 | \$ 8,307  | \$ 3,976  | \$ 1,867  | \$ 1,563  | \$ 1,303  | \$ 1,281  |
| YTD \$     | \$ 1,476  | \$ 4,603  | \$ 9,793  | \$ 17,783 | \$ 26,646 | \$ 36,764 | \$ 45,072 | \$ 49,047 | \$ 50,915 | \$ 52,478 | \$ 53,781 | \$ 55,062 |
| BP Length  | 30        | 31        | 30        | 31        | 31        | 28        | 31        | 30        | 31        | 30        | 31        | 31        |
| HDD        | 67        | 300       | 727       | 854       | 1,168     | 1,254     | 844       | 309       | 73        | 18        | -         | 2         |
| CDD        | 71        | 4         | -         | -         | -         | -         | -         | 1         | 129       | 184       | 257       | 203       |
| Month Rate | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 |
| YTD Rate   | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 |

### SimActual vs. Adjusted Baseline

|           | Sep 2014 | Oct 2014 | Nov 2014 | Dec 2014 | Jan 2015 | Feb 2015 | Mar 2015 | Apr 2015 | May 2015 | Jun 2015 | Jul 2015 | Aug 2015 |
|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Month Use | -31.3%   | -31.0%   | -40.8%   | -20.8%   | -33.1%   | -27.5%   | -16.9%   | -13.0%   | -17.1%   | -5.7%    | -14.6%   | -17.1%   |
| YTD Use   | -31.3%   | -31.1%   | -36.6%   | -30.4%   | -31.3%   | -30.3%   | -28.2%   | -27.1%   | -26.8%   | -26.3%   | -26.1%   | -25.9%   |
| Month \$  | -31.3%   | -31.0%   | -40.8%   | -20.8%   | -33.1%   | -27.5%   | -16.9%   | -13.0%   | -17.1%   | -5.7%    | -14.6%   | -17.1%   |
| YTD \$    | -31.3%   | -31.1%   | -36.6%   | -30.4%   | -31.3%   | -30.3%   | -28.2%   | -27.1%   | -26.8%   | -26.3%   | -26.1%   | -25.9%   |
| BP Length | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| HDD       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| CDD       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |

### Use Avoidance

|           | Sep 2014 | Oct 2014 | Nov 2014 | Dec 2014 | Jan 2015 | Feb 2015 | Mar 2015 | Apr 2015 | May 2015 | Jun 2015 | Jul 2015 | Aug 2015 |
|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Month Use | 31       | 65       | 165      | 97       | 202      | 177      | 78       | 27       | 18       | 4        | 10       | 12       |
| YTD Use   | 31       | 96       | 261      | 357      | 559      | 736      | 813      | 841      | 859      | 863      | 873      | 885      |

### Cost Avoidance

|              | Sep 2014 | Oct 2014 | Nov 2014 | Dec 2014 | Jan 2015  | Feb 2015  | Mar 2015  | Apr 2015  | May 2015  | Jun 2015  | Jul 2015  | Aug 2015  |
|--------------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Month Use \$ | \$ 672   | \$ 1,404 | \$ 3,581 | \$ 2,098 | \$ 4,380  | \$ 3,841  | \$ 1,686  | \$ 596    | \$ 386    | \$ 94     | \$ 223    | \$ 265    |
| YTD \$       | \$ 672   | \$ 2,076 | \$ 5,657 | \$ 7,755 | \$ 12,135 | \$ 15,975 | \$ 17,661 | \$ 18,257 | \$ 18,643 | \$ 18,736 | \$ 18,959 | \$ 19,224 |

# Meter Detail Report

Baseline: Usage and costs representative of the facility's operations for the baseline period as seen in the contract.

Adjusted Baseline: Baseline usage and Cost adjusted to conditions of the current year. (Includes: weather, number of billing days and Facility Changes)

SimActual: Current year usage and calculated costs using the applicable contract rate.

## Meter: PA 1-45 Water

### Baseline

|            | Sep 2006 | Oct 2006 | Nov 2006 | Dec 2006 | Jan 2006 | Feb 2006  | Mar 2006  | Apr 2006  | May 2006  | Jun 2006  | Jul 2006  | Aug 2006  |
|------------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Month Use  | 203      | 229      | 215      | 186      | 240      | 245       | 184       | 645       | 259       | 174       | 249       | 207       |
| YTD Use    | 203      | 432      | 647      | 833      | 1,073    | 1,318     | 1,502     | 2,147     | 2,406     | 2,580     | 2,829     | 3,036     |
| Month \$   | \$ 1,882 | \$ 2,123 | \$ 1,993 | \$ 1,724 | \$ 2,225 | \$ 2,271  | \$ 1,706  | \$ 5,979  | \$ 2,401  | \$ 1,613  | \$ 2,308  | \$ 1,919  |
| YTD \$     | \$ 1,882 | \$ 4,005 | \$ 5,998 | \$ 7,722 | \$ 9,947 | \$ 12,218 | \$ 13,924 | \$ 19,903 | \$ 22,304 | \$ 23,917 | \$ 26,225 | \$ 28,144 |
| BP Length  | 30       | 31       | 30       | 31       | 31       | 28        | 31        | 30        | 31        | 30        | 31        | 31        |
| HDD        | 134      | 442      | 604      | 812      | 833      | 969       | 832       | 349       | 236       | 47        | 4         | -         |
| CDD        | 12       | -        | -        | -        | -        | -         | -         | -         | 42        | 83        | 263       | 266       |
| Month Rate | \$ 9.271 | \$ 9.271 | \$ 9.270 | \$ 9.269 | \$ 9.271 | \$ 9.269  | \$ 9.272  | \$ 9.270  | \$ 9.270  | \$ 9.270  | \$ 9.269  | \$ 9.271  |
| YTD Rate   | \$ 9.271 | \$ 9.271 | \$ 9.270 | \$ 9.270 | \$ 9.270 | \$ 9.270  | \$ 9.270  | \$ 9.270  | \$ 9.270  | \$ 9.270  | \$ 9.270  | \$ 9.270  |

### Adjusted Baseline

|            | Sep 2014  | Oct 2014  | Nov 2014  | Dec 2014  | Jan 2015  | Feb 2015  | Mar 2015  | Apr 2015  | May 2015  | Jun 2015  | Jul 2015  | Aug 2015  |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Month Use  | 203       | 229       | 215       | 186       | 240       | 245       | 184       | 645       | 259       | 174       | 249       | 207       |
| YTD Use    | 203       | 432       | 647       | 833       | 1,073     | 1,318     | 1,502     | 2,147     | 2,406     | 2,580     | 2,829     | 3,036     |
| Month \$   | \$ 2,056  | \$ 2,320  | \$ 2,178  | \$ 1,884  | \$ 2,431  | \$ 2,482  | \$ 1,864  | \$ 6,534  | \$ 2,624  | \$ 1,763  | \$ 2,522  | \$ 2,097  |
| YTD \$     | \$ 2,056  | \$ 4,376  | \$ 6,554  | \$ 8,438  | \$ 10,869 | \$ 13,351 | \$ 15,215 | \$ 21,748 | \$ 24,372 | \$ 26,134 | \$ 28,657 | \$ 30,753 |
| BP Length  | 30        | 31        | 30        | 31        | 31        | 28        | 31        | 30        | 31        | 30        | 31        | 31        |
| HDD        | 98        | 355       | 787       | 916       | 1,230     | 1,310     | 906       | 365       | 95        | 27        | -         | 7         |
| CDD        | 71        | 4         | -         | -         | -         | -         | -         | 1         | 129       | 184       | 257       | 203       |
| Month Rate | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 |
| YTD Rate   | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 |

### SimActual

|            | Sep 2014  | Oct 2014  | Nov 2014  | Dec 2014  | Jan 2015  | Feb 2015  | Mar 2015  | Apr 2015  | May 2015  | Jun 2015  | Jul 2015  | Aug 2015  |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Month Use  | 3         | 1         | 1         | 239       | 150       | 163       | 163       | 163       | 163       | 163       | 163       | 135       |
| YTD Use    | 3         | 4         | 5         | 244       | 394       | 557       | 720       | 883       | 1,046     | 1,209     | 1,372     | 1,507     |
| Month \$   | \$ 30     | \$ 10     | \$ 10     | \$ 2,421  | \$ 1,519  | \$ 1,651  | \$ 1,651  | \$ 1,651  | \$ 1,651  | \$ 1,651  | \$ 1,651  | \$ 1,367  |
| YTD \$     | \$ 30     | \$ 41     | \$ 51     | \$ 2,472  | \$ 3,991  | \$ 5,642  | \$ 7,293  | \$ 8,944  | \$ 10,596 | \$ 12,247 | \$ 13,898 | \$ 15,265 |
| BP Length  | 30        | 31        | 30        | 31        | 31        | 28        | 31        | 30        | 31        | 30        | 31        | 31        |
| HDD        | 98        | 355       | 787       | 916       | 1,230     | 1,310     | 906       | 365       | 95        | 27        | -         | 7         |
| CDD        | 71        | 4         | -         | -         | -         | -         | -         | 1         | 129       | 184       | 257       | 203       |
| Month Rate | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 |
| YTD Rate   | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 |

### SimActual vs. Adjusted Baseline

|           | Sep 2014 | Oct 2014 | Nov 2014 | Dec 2014 | Jan 2015 | Feb 2015 | Mar 2015 | Apr 2015 | May 2015 | Jun 2015 | Jul 2015 | Aug 2015 |
|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Month Use | -98.5%   | -99.6%   | -99.5%   | 28.5%    | -37.5%   | -33.5%   | -11.4%   | -74.7%   | -37.1%   | -6.3%    | -34.5%   | -34.8%   |
| YTD Use   | -98.5%   | -99.1%   | -99.2%   | -70.7%   | -63.3%   | -57.7%   | -52.1%   | -58.9%   | -56.5%   | -53.1%   | -51.5%   | -50.4%   |
| Month \$  | -98.5%   | -99.6%   | -99.5%   | 28.5%    | -37.5%   | -33.5%   | -11.4%   | -74.7%   | -37.1%   | -6.3%    | -34.5%   | -34.8%   |
| YTD \$    | -98.5%   | -99.1%   | -99.2%   | -70.7%   | -63.3%   | -57.7%   | -52.1%   | -58.9%   | -56.5%   | -53.1%   | -51.5%   | -50.4%   |
| BP Length | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| HDD       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| CDD       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |

### Use Avoidance

|           |     |     |     |      |     |     |     |       |       |       |       |       |
|-----------|-----|-----|-----|------|-----|-----|-----|-------|-------|-------|-------|-------|
| Month Use | 200 | 228 | 214 | (53) | 90  | 82  | 21  | 482   | 96    | 11    | 86    | 72    |
| YTD Use   | 200 | 428 | 642 | 589  | 679 | 761 | 782 | 1,264 | 1,360 | 1,371 | 1,457 | 1,529 |

### Cost Avoidance

|              |          |          |          |          |          |          |          |           |           |           |           |           |
|--------------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|
| Month Use \$ | \$ 2,026 | \$ 2,310 | \$ 2,168 | \$ (537) | \$ 912   | \$ 831   | \$ 213   | \$ 4,882  | \$ 972    | \$ 111    | \$ 871    | \$ 729    |
| YTD \$       | \$ 2,026 | \$ 4,335 | \$ 6,503 | \$ 5,966 | \$ 6,878 | \$ 7,709 | \$ 7,921 | \$ 12,804 | \$ 13,776 | \$ 13,888 | \$ 14,759 | \$ 15,488 |

# Meter Detail Report

Baseline: Usage and costs representative of the facility's operations for the baseline period as seen in the contract.

Adjusted Baseline: Baseline usage and Cost adjusted to conditions of the current year. (Includes: weather, number of billing days and Facility Changes)

SimActual: Current year usage and calculated costs using the applicable contract rate.

## Meter: PA 1-46 Gas

### Baseline

|            | Sep 2006  | Oct 2006  | Nov 2006  | Dec 2006  | Jan 2006  | Feb 2006  | Mar 2006  | Apr 2006  | May 2006  | Jun 2006  | Jul 2006  | Aug 2006  |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Month Use  | 29        | 99        | 278       | 415       | 489       | 488       | 363       | 130       | 88        | 17        | 36        | 24        |
| YTD Use    | 29        | 128       | 406       | 821       | 1,310     | 1,798     | 2,161     | 2,291     | 2,379     | 2,396     | 2,432     | 2,456     |
| Month \$   | \$ 576    | \$ 1,967  | \$ 5,524  | \$ 8,256  | \$ 9,717  | \$ 9,697  | \$ 7,213  | \$ 2,583  | \$ 1,749  | \$ 338    | \$ 715    | \$ 477    |
| YTD \$     | \$ 576    | \$ 2,543  | \$ 8,067  | \$ 16,323 | \$ 26,040 | \$ 35,737 | \$ 42,950 | \$ 45,533 | \$ 47,282 | \$ 47,620 | \$ 48,335 | \$ 48,812 |
| BP Length  | 30        | 31        | 30        | 31        | 31        | 28        | 31        | 30        | 31        | 30        | 31        | 31        |
| HDD        | 16        | 184       | 312       | 502       | 523       | 689       | 534       | 120       | 50        | 2         | -         | -         |
| CDD        | 12        | -         | -         | -         | -         | -         | -         | -         | 42        | 83        | 263       | 266       |
| Month Rate | \$ 19.862 | \$ 19.869 | \$ 19.871 | \$ 19.894 | \$ 19.871 | \$ 19.871 | \$ 19.871 | \$ 19.869 | \$ 19.875 | \$ 19.882 | \$ 19.861 | \$ 19.875 |
| YTD Rate   | \$ 19.862 | \$ 19.867 | \$ 19.869 | \$ 19.882 | \$ 19.878 | \$ 19.876 | \$ 19.875 | \$ 19.875 | \$ 19.875 | \$ 19.875 | \$ 19.875 | \$ 19.875 |

### Adjusted Baseline

|            | Sep 2014  | Oct 2014  | Nov 2014  | Dec 2014  | Jan 2015  | Feb 2015  | Mar 2015  | Apr 2015  | May 2015  | Jun 2015  | Jul 2015  | Aug 2015  |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Month Use  | 37        | 110       | 383       | 464       | 689       | 764       | 458       | 126       | 44        | 34        | 33        | 33        |
| YTD Use    | 37        | 147       | 531       | 995       | 1,684     | 2,448     | 2,905     | 3,031     | 3,075     | 3,109     | 3,141     | 3,174     |
| Month \$   | \$ 806    | \$ 2,392  | \$ 8,321  | \$ 10,085 | \$ 14,953 | \$ 16,587 | \$ 9,938  | \$ 2,725  | \$ 953    | \$ 736    | \$ 713    | \$ 713    |
| YTD \$     | \$ 806    | \$ 3,198  | \$ 11,519 | \$ 21,605 | \$ 36,558 | \$ 53,145 | \$ 63,083 | \$ 65,808 | \$ 66,761 | \$ 67,497 | \$ 68,210 | \$ 68,923 |
| BP Length  | 30        | 31        | 30        | 31        | 31        | 28        | 31        | 30        | 31        | 30        | 31        | 31        |
| HDD        | 8         | 109       | 493       | 606       | 920       | 1,030     | 596       | 132       | 16        | 3         | -         | -         |
| CDD        | 71        | 4         | -         | -         | -         | -         | -         | 1         | 129       | 184       | 257       | 203       |
| Month Rate | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 |
| YTD Rate   | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 |

### SimActual

|            | Sep 2014  | Oct 2014  | Nov 2014  | Dec 2014  | Jan 2015  | Feb 2015  | Mar 2015  | Apr 2015  | May 2015  | Jun 2015  | Jul 2015  | Aug 2015  |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Month Use  | 52        | 163       | 255       | 383       | 395       | 500       | 442       | 261       | 64        | 51        | 40        | 34        |
| YTD Use    | 52        | 215       | 470       | 853       | 1,248     | 1,747     | 2,189     | 2,450     | 2,514     | 2,565     | 2,605     | 2,639     |
| Month \$   | \$ 1,129  | \$ 3,539  | \$ 5,537  | \$ 8,316  | \$ 8,570  | \$ 10,850 | \$ 9,586  | \$ 5,667  | \$ 1,394  | \$ 1,107  | \$ 869    | \$ 738    |
| YTD \$     | \$ 1,129  | \$ 4,668  | \$ 10,205 | \$ 18,521 | \$ 27,091 | \$ 37,941 | \$ 47,528 | \$ 53,195 | \$ 54,589 | \$ 55,696 | \$ 56,565 | \$ 57,303 |
| BP Length  | 30        | 31        | 30        | 31        | 31        | 28        | 31        | 30        | 31        | 30        | 31        | 31        |
| HDD        | 8         | 109       | 493       | 606       | 920       | 1,030     | 596       | 132       | 16        | 3         | -         | -         |
| CDD        | 71        | 4         | -         | -         | -         | -         | -         | 1         | 129       | 184       | 257       | 203       |
| Month Rate | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 |
| YTD Rate   | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 |

### SimActual vs. Adjusted Baseline

|           | Sep 2014 | Oct 2014 | Nov 2014 | Dec 2014 | Jan 2015 | Feb 2015 | Mar 2015 | Apr 2015 | May 2015 | Jun 2015 | Jul 2015 | Aug 2015 |
|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Month Use | 40.1%    | 47.9%    | -33.5%   | -17.5%   | -42.7%   | -34.6%   | -3.5%    | 107.9%   | 46.3%    | 50.4%    | 21.8%    | 3.5%     |
| YTD Use   | 40.1%    | 46.0%    | -11.4%   | -14.3%   | -25.9%   | -28.6%   | -24.7%   | -19.2%   | -18.2%   | -17.5%   | -17.1%   | -16.9%   |
| Month \$  | 40.1%    | 47.9%    | -33.5%   | -17.5%   | -42.7%   | -34.6%   | -3.5%    | 107.9%   | 46.3%    | 50.4%    | 21.8%    | 3.5%     |
| YTD \$    | 40.1%    | 46.0%    | -11.4%   | -14.3%   | -25.9%   | -28.6%   | -24.7%   | -19.2%   | -18.2%   | -17.5%   | -17.1%   | -16.9%   |
| BP Length | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| HDD       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| CDD       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |

### Use Avoidance

|           |      |      |     |     |     |     |     |       |      |      |     |     |
|-----------|------|------|-----|-----|-----|-----|-----|-------|------|------|-----|-----|
| Month Use | (15) | (53) | 128 | 81  | 294 | 264 | 16  | (135) | (20) | (17) | (7) | (1) |
| YTD Use   | (15) | (68) | 61  | 142 | 436 | 700 | 716 | 581   | 561  | 544  | 536 | 535 |

### Cost Avoidance

|              |          |            |          |          |          |           |           |            |           |           |           |           |
|--------------|----------|------------|----------|----------|----------|-----------|-----------|------------|-----------|-----------|-----------|-----------|
| Month Use \$ | \$ (323) | \$ (1,147) | \$ 2,784 | \$ 1,769 | \$ 6,383 | \$ 5,737  | \$ 352    | \$ (2,942) | \$ (441)  | \$ (371)  | \$ (156)  | \$ (25)   |
| YTD \$       | \$ (323) | \$ (1,470) | \$ 1,314 | \$ 3,083 | \$ 9,466 | \$ 15,203 | \$ 15,555 | \$ 12,613  | \$ 12,172 | \$ 11,801 | \$ 11,646 | \$ 11,621 |

# Meter Detail Report

Baseline: Usage and costs representative of the facility's operations for the baseline period as seen in the contract.

Adjusted Baseline: Baseline usage and Cost adjusted to conditions of the current year. (Includes: weather, number of billing days and Facility Changes)

SimActual: Current year usage and calculated costs using the applicable contract rate.

## Meter: PA 1-46 Water

### Baseline

|            | Sep 2006 | Oct 2006 | Nov 2006 | Dec 2006 | Jan 2006 | Feb 2006  | Mar 2006  | Apr 2006  | May 2006  | Jun 2006  | Jul 2006  | Aug 2006  |
|------------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Month Use  | 173      | 111      | 184      | 174      | 153      | 370       | 165       | 262       | 179       | 714       | 208       | 168       |
| YTD Use    | 173      | 284      | 468      | 642      | 795      | 1,165     | 1,330     | 1,592     | 1,771     | 2,485     | 2,693     | 2,861     |
| Month \$   | \$ 1,604 | \$ 1,029 | \$ 1,706 | \$ 1,616 | \$ 1,418 | \$ 3,430  | \$ 1,530  | \$ 2,429  | \$ 1,659  | \$ 6,619  | \$ 1,928  | \$ 1,557  |
| YTD \$     | \$ 1,604 | \$ 2,633 | \$ 4,339 | \$ 5,955 | \$ 7,373 | \$ 10,803 | \$ 12,333 | \$ 14,762 | \$ 16,421 | \$ 23,040 | \$ 24,968 | \$ 26,525 |
| BP Length  | 30       | 31       | 30       | 31       | 31       | 28        | 31        | 30        | 31        | 30        | 31        | 31        |
| HDD        | 134      | 442      | 604      | 812      | 833      | 969       | 832       | 349       | 236       | 47        | 4         | -         |
| CDD        | 12       | -        | -        | -        | -        | -         | -         | -         | 42        | 83        | 263       | 266       |
| Month Rate | \$ 9.272 | \$ 9.270 | \$ 9.272 | \$ 9.287 | \$ 9.268 | \$ 9.270  | \$ 9.273  | \$ 9.271  | \$ 9.268  | \$ 9.270  | \$ 9.269  | \$ 9.266  |
| YTD Rate   | \$ 9.272 | \$ 9.271 | \$ 9.271 | \$ 9.276 | \$ 9.274 | \$ 9.273  | \$ 9.273  | \$ 9.273  | \$ 9.272  | \$ 9.272  | \$ 9.271  | \$ 9.271  |

### Adjusted Baseline

|            | Sep 2014  | Oct 2014  | Nov 2014  | Dec 2014  | Jan 2015  | Feb 2015  | Mar 2015  | Apr 2015  | May 2015  | Jun 2015  | Jul 2015  | Aug 2015  |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Month Use  | 173       | 111       | 184       | 174       | 153       | 370       | 165       | 262       | 179       | 714       | 208       | 168       |
| YTD Use    | 173       | 284       | 468       | 642       | 795       | 1,165     | 1,330     | 1,592     | 1,771     | 2,485     | 2,693     | 2,861     |
| Month \$   | \$ 1,752  | \$ 1,124  | \$ 1,864  | \$ 1,763  | \$ 1,550  | \$ 3,748  | \$ 1,671  | \$ 2,654  | \$ 1,813  | \$ 7,233  | \$ 2,107  | \$ 1,702  |
| YTD \$     | \$ 1,752  | \$ 2,877  | \$ 4,741  | \$ 6,503  | \$ 8,053  | \$ 11,801 | \$ 13,472 | \$ 16,126 | \$ 17,940 | \$ 25,172 | \$ 27,279 | \$ 28,981 |
| BP Length  | 30        | 31        | 30        | 31        | 31        | 28        | 31        | 30        | 31        | 30        | 31        | 31        |
| HDD        | 98        | 355       | 787       | 916       | 1,230     | 1,310     | 906       | 365       | 95        | 27        | -         | 7         |
| CDD        | 71        | 4         | -         | -         | -         | -         | -         | 1         | 129       | 184       | 257       | 203       |
| Month Rate | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 |
| YTD Rate   | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 |

### SimActual

|            | Sep 2014  | Oct 2014  | Nov 2014  | Dec 2014  | Jan 2015  | Feb 2015  | Mar 2015  | Apr 2015  | May 2015  | Jun 2015  | Jul 2015  | Aug 2015  |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Month Use  | 425       | 394       | 412       | 458       | 480       | 339       | 490       | 245       | 600       | 358       | 377       | 635       |
| YTD Use    | 425       | 819       | 1,230     | 1,688     | 2,168     | 2,507     | 2,997     | 3,242     | 3,841     | 4,199     | 4,576     | 5,211     |
| Month \$   | \$ 4,305  | \$ 3,986  | \$ 4,172  | \$ 4,639  | \$ 4,857  | \$ 3,434  | \$ 4,964  | \$ 2,482  | \$ 6,073  | \$ 3,626  | \$ 3,819  | \$ 6,432  |
| YTD \$     | \$ 4,305  | \$ 8,291  | \$ 12,463 | \$ 17,103 | \$ 21,960 | \$ 25,394 | \$ 30,357 | \$ 32,839 | \$ 38,912 | \$ 42,538 | \$ 46,357 | \$ 52,789 |
| BP Length  | 30        | 31        | 30        | 31        | 31        | 28        | 31        | 30        | 31        | 30        | 31        | 31        |
| HDD        | 98        | 355       | 787       | 916       | 1,230     | 1,310     | 906       | 365       | 95        | 27        | -         | 7         |
| CDD        | 71        | 4         | -         | -         | -         | -         | -         | 1         | 129       | 184       | 257       | 203       |
| Month Rate | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 |
| YTD Rate   | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 |

### SimActual vs. Adjusted Baseline

|           | Sep 2014 | Oct 2014 | Nov 2014 | Dec 2014 | Jan 2015 | Feb 2015 | Mar 2015 | Apr 2015 | May 2015 | Jun 2015 | Jul 2015 | Aug 2015 |
|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Month Use | 145.7%   | 254.5%   | 123.9%   | 163.2%   | 213.4%   | -8.4%    | 197.0%   | -6.5%    | 234.9%   | -49.9%   | 81.3%    | 278.0%   |
| YTD Use   | 145.7%   | 188.2%   | 162.9%   | 163.0%   | 172.7%   | 115.2%   | 125.3%   | 103.6%   | 116.9%   | 69.0%    | 69.9%    | 82.2%    |
| Month \$  | 145.7%   | 254.5%   | 123.9%   | 163.2%   | 213.4%   | -8.4%    | 197.0%   | -6.5%    | 234.9%   | -49.9%   | 81.2%    | 278.0%   |
| YTD \$    | 145.7%   | 188.2%   | 162.9%   | 163.0%   | 172.7%   | 115.2%   | 125.3%   | 103.6%   | 116.9%   | 69.0%    | 69.9%    | 82.2%    |
| BP Length | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| HDD       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| CDD       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |

### Use Avoidance

|           |       |       |       |         |         |         |         |         |         |         |         |         |
|-----------|-------|-------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Month Use | (252) | (283) | (228) | (284)   | (327)   | 31      | (325)   | 17      | (421)   | 356     | (169)   | (467)   |
| YTD Use   | (252) | (535) | (762) | (1,046) | (1,373) | (1,342) | (1,667) | (1,650) | (2,070) | (1,714) | (1,883) | (2,350) |

### Cost Avoidance

|              |            |            |            |             |             |             |             |             |             |             |             |             |
|--------------|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Month Use \$ | \$ (2,553) | \$ (2,862) | \$ (2,309) | \$ (2,877)  | \$ (3,307)  | \$ 314      | \$ (3,292)  | \$ 172      | \$ (4,259)  | \$ 3,606    | \$ (1,712)  | \$ (4,731)  |
| YTD \$       | \$ (2,553) | \$ (5,414) | \$ (7,723) | \$ (10,600) | \$ (13,907) | \$ (13,593) | \$ (16,885) | \$ (16,713) | \$ (20,972) | \$ (17,366) | \$ (19,078) | \$ (23,809) |

# Meter Detail Report

Baseline: Usage and costs representative of the facility's operations for the baseline period as seen in the contract.

Adjusted Baseline: Baseline usage and Cost adjusted to conditions of the current year. (Includes: weather, number of billing days and Facility Changes)

SimActual: Current year usage and calculated costs using the applicable contract rate.

## Meter: PA 1-47 Gas

### Baseline

|            | Sep 2006  | Oct 2006  | Nov 2006  | Dec 2006  | Jan 2006  | Feb 2006  | Mar 2006  | Apr 2006  | May 2006  | Jun 2006  | Jul 2006  | Aug 2006  |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Month Use  | 31        | 91        | 174       | 164       | 267       | 251       | 192       | 106       | 54        | 27        | 28        | 23        |
| YTD Use    | 31        | 122       | 296       | 460       | 727       | 978       | 1,170     | 1,276     | 1,330     | 1,357     | 1,385     | 1,408     |
| Month \$   | \$ 616    | \$ 1,808  | \$ 3,457  | \$ 3,260  | \$ 5,305  | \$ 4,988  | \$ 3,815  | \$ 2,106  | \$ 1,073  | \$ 537    | \$ 556    | \$ 457    |
| YTD \$     | \$ 616    | \$ 2,424  | \$ 5,881  | \$ 9,141  | \$ 14,446 | \$ 19,434 | \$ 23,249 | \$ 25,355 | \$ 26,428 | \$ 26,965 | \$ 27,521 | \$ 27,978 |
| BP Length  | 30        | 31        | 30        | 31        | 31        | 28        | 31        | 30        | 31        | 30        | 31        | 31        |
| HDD        | 34        | 250       | 395       | 595       | 616       | 773       | 621       | 178       | 90        | 8         | -         | -         |
| CDD        | 12        | -         | -         | -         | -         | -         | -         | -         | 42        | 83        | 263       | 266       |
| Month Rate | \$ 19.871 | \$ 19.868 | \$ 19.868 | \$ 19.878 | \$ 19.869 | \$ 19.873 | \$ 19.870 | \$ 19.868 | \$ 19.870 | \$ 19.889 | \$ 19.857 | \$ 19.871 |
| YTD Rate   | \$ 19.871 | \$ 19.869 | \$ 19.868 | \$ 19.872 | \$ 19.871 | \$ 19.871 | \$ 19.871 | \$ 19.871 | \$ 19.871 | \$ 19.871 | \$ 19.871 | \$ 19.871 |

### Adjusted Baseline

|            | Sep 2014  | Oct 2014  | Nov 2014  | Dec 2014  | Jan 2015  | Feb 2015  | Mar 2015  | Apr 2015  | May 2015  | Jun 2015  | Jul 2015  | Aug 2015  |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Month Use  | 39        | 85        | 201       | 237       | 329       | 355       | 234       | 89        | 43        | 34        | 34        | 34        |
| YTD Use    | 39        | 124       | 324       | 562       | 890       | 1,245     | 1,479     | 1,568     | 1,611     | 1,646     | 1,679     | 1,713     |
| Month \$   | \$ 852    | \$ 1,836  | \$ 4,357  | \$ 5,148  | \$ 7,136  | \$ 7,704  | \$ 5,088  | \$ 1,923  | \$ 939    | \$ 748    | \$ 733    | \$ 733    |
| YTD \$     | \$ 852    | \$ 2,688  | \$ 7,045  | \$ 12,193 | \$ 19,329 | \$ 27,033 | \$ 32,121 | \$ 34,044 | \$ 34,983 | \$ 35,730 | \$ 36,464 | \$ 37,197 |
| BP Length  | 30        | 31        | 30        | 31        | 31        | 28        | 31        | 30        | 31        | 30        | 31        | 31        |
| HDD        | 23        | 175       | 577       | 699       | 1,013     | 1,114     | 689       | 192       | 33        | 6         | -         | -         |
| CDD        | 71        | 4         | -         | -         | -         | -         | -         | 1         | 129       | 184       | 257       | 203       |
| Month Rate | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 |
| YTD Rate   | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 |

### SimActual

|            | Sep 2014  | Oct 2014  | Nov 2014  | Dec 2014  | Jan 2015  | Feb 2015  | Mar 2015  | Apr 2015  | May 2015  | Jun 2015  | Jul 2015  | Aug 2015  |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Month Use  | 31        | 109       | 230       | 283       | 267       | 308       | 246       | 126       | 32        | 28        | 29        | 27        |
| YTD Use    | 31        | 140       | 370       | 654       | 920       | 1,228     | 1,474     | 1,600     | 1,632     | 1,660     | 1,689     | 1,716     |
| Month \$   | \$ 673    | \$ 2,373  | \$ 4,994  | \$ 6,149  | \$ 5,787  | \$ 6,679  | \$ 5,350  | \$ 2,731  | \$ 695    | \$ 608    | \$ 630    | \$ 586    |
| YTD \$     | \$ 673    | \$ 3,046  | \$ 8,040  | \$ 14,189 | \$ 19,976 | \$ 26,655 | \$ 32,005 | \$ 34,736 | \$ 35,431 | \$ 36,039 | \$ 36,669 | \$ 37,255 |
| BP Length  | 30        | 31        | 30        | 31        | 31        | 28        | 31        | 30        | 31        | 30        | 31        | 31        |
| HDD        | 23        | 175       | 577       | 699       | 1,013     | 1,114     | 689       | 192       | 33        | 6         | -         | -         |
| CDD        | 71        | 4         | -         | -         | -         | -         | -         | 1         | 129       | 184       | 257       | 203       |
| Month Rate | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 |
| YTD Rate   | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 | \$ 21.713 |

### SimActual vs. Adjusted Baseline

|           | Sep 2014 | Oct 2014 | Nov 2014 | Dec 2014 | Jan 2015 | Feb 2015 | Mar 2015 | Apr 2015 | May 2015 | Jun 2015 | Jul 2015 | Aug 2015 |
|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Month Use | -21.0%   | 29.2%    | 14.6%    | 19.4%    | -18.9%   | -13.3%   | 5.1%     | 42.0%    | -26.0%   | -18.7%   | -14.1%   | -20.0%   |
| YTD Use   | -21.0%   | 13.3%    | 14.1%    | 16.4%    | 3.3%     | -1.4%    | -0.4%    | 2.0%     | 1.3%     | 0.9%     | 0.6%     | 0.2%     |
| Month \$  | -21.0%   | 29.2%    | 14.6%    | 19.4%    | -18.9%   | -13.3%   | 5.1%     | 42.0%    | -26.0%   | -18.7%   | -14.1%   | -20.0%   |
| YTD \$    | -21.0%   | 13.3%    | 14.1%    | 16.4%    | 3.3%     | -1.4%    | -0.4%    | 2.0%     | 1.3%     | 0.9%     | 0.6%     | 0.2%     |
| BP Length | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| HDD       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| CDD       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |

### Use Avoidance

|           |   |      |      |      |      |    |      |      |      |      |     |     |
|-----------|---|------|------|------|------|----|------|------|------|------|-----|-----|
| Month Use | 8 | (25) | (29) | (46) | 62   | 47 | (12) | (37) | 11   | 6    | 5   | 7   |
| YTD Use   | 8 | (17) | (46) | (92) | (30) | 17 | 5    | (32) | (21) | (14) | (9) | (3) |

### Cost Avoidance

|              |        |          |          |            |          |          |          |          |          |          |          |         |
|--------------|--------|----------|----------|------------|----------|----------|----------|----------|----------|----------|----------|---------|
| Month Use \$ | \$ 179 | \$ (537) | \$ (637) | \$ (1,001) | \$ 1,350 | \$ 1,025 | \$ (262) | \$ (808) | \$ 244   | \$ 140   | \$ 104   | \$ 147  |
| YTD \$       | \$ 179 | \$ (358) | \$ (996) | \$ (1,996) | \$ (647) | \$ 378   | \$ 116   | \$ (692) | \$ (448) | \$ (309) | \$ (205) | \$ (58) |

# Meter Detail Report

Baseline: Usage and costs representative of the facility's operations for the baseline period as seen in the contract.

Adjusted Baseline: Baseline usage and Cost adjusted to conditions of the current year. (Includes: weather, number of billing days and Facility Changes)

SimActual: Current year usage and calculated costs using the applicable contract rate.

## Meter: PA 1-47 Water

### Baseline

|            | Sep 2006 | Oct 2006 | Nov 2006 | Dec 2006 | Jan 2006 | Feb 2006 | Mar 2006 | Apr 2006 | May 2006  | Jun 2006  | Jul 2006  | Aug 2006  |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|
| Month Use  | 147      | 105      | 139      | 95       | 66       | 84       | 202      | 111      | 174       | 128       | 146       | 132       |
| YTD Use    | 147      | 252      | 391      | 486      | 552      | 636      | 838      | 949      | 1,123     | 1,251     | 1,397     | 1,529     |
| Month \$   | \$ 1,363 | \$ 973   | \$ 1,283 | \$ 881   | \$ 612   | \$ 779   | \$ 1,873 | \$ 1,029 | \$ 1,613  | \$ 1,187  | \$ 1,353  | \$ 1,224  |
| YTD \$     | \$ 1,363 | \$ 2,336 | \$ 3,619 | \$ 4,500 | \$ 5,112 | \$ 5,891 | \$ 7,764 | \$ 8,793 | \$ 10,406 | \$ 11,593 | \$ 12,946 | \$ 14,170 |
| BP Length  | 30       | 31       | 30       | 31       | 31       | 28       | 31       | 30       | 31        | 30        | 31        | 31        |
| HDD        | 134      | 442      | 604      | 812      | 833      | 969      | 832      | 349      | 236       | 47        | 4         | -         |
| CDD        | 12       | -        | -        | -        | -        | -        | -        | -        | 42        | 83        | 263       | 266       |
| Month Rate | \$ 9.272 | \$ 9.267 | \$ 9.230 | \$ 9.274 | \$ 9.273 | \$ 9.274 | \$ 9.272 | \$ 9.270 | \$ 9.270  | \$ 9.273  | \$ 9.267  | \$ 9.273  |
| YTD Rate   | \$ 9.272 | \$ 9.270 | \$ 9.256 | \$ 9.259 | \$ 9.261 | \$ 9.263 | \$ 9.265 | \$ 9.266 | \$ 9.266  | \$ 9.267  | \$ 9.267  | \$ 9.267  |

### Adjusted Baseline

|            | Sep 2014  | Oct 2014  | Nov 2014  | Dec 2014  | Jan 2015  | Feb 2015  | Mar 2015  | Apr 2015  | May 2015  | Jun 2015  | Jul 2015  | Aug 2015  |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Month Use  | 147       | 105       | 139       | 95        | 66        | 84        | 202       | 111       | 174       | 128       | 146       | 132       |
| YTD Use    | 147       | 252       | 391       | 486       | 552       | 636       | 838       | 949       | 1,123     | 1,251     | 1,397     | 1,529     |
| Month \$   | \$ 1,489  | \$ 1,064  | \$ 1,408  | \$ 962    | \$ 669    | \$ 851    | \$ 2,046  | \$ 1,124  | \$ 1,763  | \$ 1,297  | \$ 1,479  | \$ 1,337  |
| YTD \$     | \$ 1,489  | \$ 2,553  | \$ 3,961  | \$ 4,923  | \$ 5,592  | \$ 6,442  | \$ 8,489  | \$ 9,613  | \$ 11,376 | \$ 12,672 | \$ 14,151 | \$ 15,488 |
| BP Length  | 30        | 31        | 30        | 31        | 31        | 28        | 31        | 30        | 31        | 30        | 1         | 31        |
| HDD        | 98        | 355       | 787       | 916       | 1,230     | 1,310     | 906       | 365       | 95        | 27        | -         | 7         |
| CDD        | 71        | 4         | -         | -         | -         | -         | -         | 1         | 129       | 184       | 257       | 203       |
| Month Rate | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 |
| YTD Rate   | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 |

### SimActual

|            | Sep 2014  | Oct 2014  | Nov 2014  | Dec 2014  | Jan 2015  | Feb 2015  | Mar 2015  | Apr 2015  | May 2015  | Jun 2015  | Jul 2015  | Aug 2015  |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Month Use  | 135       | 141       | 118       | 116       | 128       | 63        | 132       | 64        | 116       | 80        | 169       | 71        |
| YTD Use    | 135       | 276       | 394       | 510       | 638       | 701       | 834       | 897       | 1,013     | 1,093     | 1,262     | 1,333     |
| Month \$   | \$ 1,372  | \$ 1,428  | \$ 1,191  | \$ 1,175  | \$ 1,295  | \$ 642    | \$ 1,341  | \$ 646    | \$ 1,171  | \$ 810    | \$ 1,712  | \$ 719    |
| YTD \$     | \$ 1,372  | \$ 2,800  | \$ 3,991  | \$ 5,166  | \$ 6,461  | \$ 7,103  | \$ 8,444  | \$ 9,090  | \$ 10,261 | \$ 11,072 | \$ 12,784 | \$ 13,503 |
| BP Length  | 30        | 31        | 30        | 31        | 31        | 28        | 31        | 30        | 31        | 30        | 1         | 31        |
| HDD        | 98        | 355       | 787       | 916       | 1,230     | 1,310     | 906       | 365       | 95        | 27        | -         | 7         |
| CDD        | 71        | 4         | -         | -         | -         | -         | -         | 1         | 129       | 184       | 257       | 203       |
| Month Rate | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 |
| YTD Rate   | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 | \$ 10.130 |

### SimActual vs. Adjusted Baseline

|           | Sep 2014 | Oct 2014 | Nov 2014 | Dec 2014 | Jan 2015 | Feb 2015 | Mar 2015 | Apr 2015 | May 2015 | Jun 2015 | Jul 2015 | Aug 2015 |
|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Month Use | -7.9%    | 34.3%    | -15.4%   | 22.1%    | 93.6%    | -24.5%   | -34.5%   | -42.5%   | -33.6%   | -37.5%   | 15.8%    | -46.2%   |
| YTD Use   | -7.9%    | 9.7%     | 0.8%     | 4.9%     | 15.5%    | 10.3%    | -0.5%    | -5.4%    | -9.8%    | -12.6%   | -9.7%    | -12.8%   |
| Month \$  | -7.9%    | 34.3%    | -15.4%   | 22.1%    | 93.6%    | -24.5%   | -34.5%   | -42.5%   | -33.6%   | -37.5%   | 15.8%    | -46.2%   |
| YTD \$    | -7.9%    | 9.7%     | 0.8%     | 4.9%     | 15.5%    | 10.3%    | -0.5%    | -5.4%    | -9.8%    | -12.6%   | -9.7%    | -12.8%   |
| BP Length | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| HDD       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| CDD       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |

### Use Avoidance

|           |    |      |     |      |      |      |    |    |     |     |      |     |
|-----------|----|------|-----|------|------|------|----|----|-----|-----|------|-----|
| Month Use | 12 | (36) | 21  | (21) | (62) | 21   | 70 | 47 | 58  | 48  | (23) | 61  |
| YTD Use   | 12 | (24) | (3) | (24) | (86) | (65) | 4  | 52 | 110 | 158 | 135  | 196 |

### Cost Avoidance

|              |        |          |         |          |          |          |        |        |          |          |          |          |
|--------------|--------|----------|---------|----------|----------|----------|--------|--------|----------|----------|----------|----------|
| Month Use \$ | \$ 118 | \$ (365) | \$ 217  | \$ (213) | \$ (626) | \$ 209   | \$ 705 | \$ 478 | \$ 592   | \$ 486   | \$ (233) | \$ 618   |
| YTD \$       | \$ 118 | \$ (247) | \$ (30) | \$ (243) | \$ (869) | \$ (660) | \$ 45  | \$ 523 | \$ 1,114 | \$ 1,600 | \$ 1,367 | \$ 1,985 |

# Option A Savings

This section of the report provides Housing Authority of the City of Pittsburgh with a breakdown of the savings achieved from the Option A ECMs.

Annual cost avoidance is calculated based on the stipulated & one-time reconciliation.

| ECM #        | ECM Description                    | kWh              | kWh \$            | MCF          | MCF \$           | Water        | Water \$         | Total \$          |
|--------------|------------------------------------|------------------|-------------------|--------------|------------------|--------------|------------------|-------------------|
| 1            | Retrofit Tenent Area Lighting      | 1,858,057        | \$ 147,987        |              |                  |              |                  | \$ 147,987        |
| 2            | Retrofit Common Area Lighting      | 912,735          | \$ 87,418         |              |                  |              |                  | \$ 87,418         |
| 6            | High Efficiency Refrigerators      | 96,142           | \$ 10,941         |              |                  |              |                  | \$ 10,941         |
| 10, 11       | Water Conservation                 | 222,931          | \$ 25,370         | 840          | \$ 17,700        | 1,797        | \$ 17,670        | \$ 60,739         |
| 16           | Building Envelope Improvements     | 25,841           | \$ 2,941          |              |                  |              |                  | \$ 2,941          |
| 18           | Roof Replacement and/or Added      | 1,465            | \$ 167            |              |                  |              |                  | \$ 167            |
| 21           | Limiting Thermostats               | 107,519          | \$ 12,236         | 2,294        | \$ 48,348        |              |                  | \$ 60,584         |
| 30           | Replace Rooftop Ventilations Units | 13,243           | \$ 1,507          |              |                  |              |                  | \$ 1,507          |
| 32           | Ventilation Unit Heat Recovery     | 3,842            | \$ 437            |              |                  |              |                  | \$ 437            |
| 37           | Insulate Make Up Air Duct on Roof  | 212              | \$ 24             |              |                  |              |                  | \$ 24             |
| <b>Total</b> |                                    | <b>3,241,987</b> | <b>\$ 289,027</b> | <b>3,133</b> | <b>\$ 66,048</b> | <b>1,797</b> | <b>\$ 17,670</b> | <b>\$ 372,745</b> |

# Lighting Savings

## ECM: Interior Tenant Area Lighting Retrofit

| HA Site # | Site Name                        | Proposed Savings |             | As Installed Savings |             | Difference   |             |
|-----------|----------------------------------|------------------|-------------|----------------------|-------------|--------------|-------------|
|           |                                  | Electric kWh     | Electric \$ | Electric kWh         | Electric \$ | Electric kWh | Electric \$ |
| PA 1-02   | Bedford Dwellings                | 280,238          | \$ 31,891   | 380,228              | \$ 43,270   | 99,990       | \$ 11,379   |
| PA 1-04   | Arlington Heights                | 76,091           | \$ 8,659    | 94,962               | \$ 10,807   | 18,871       | \$ 2,148    |
| PA 1-05   | Allegheny Dwellings              | 293,553          | \$ 33,406   | 295,457              | \$ 33,623   | 1,904        | \$ 217      |
| PA 1-09   | Northview Heights*               | 701,803          | \$ 79,865   | 990,809              | \$ 112,754  | 289,006      | \$ 32,889   |
| PA 1-09H  | Northview High Rise*             | 65,848           | \$ 7,494    | 119,667              | \$ 13,618   | 53,819       | \$ 6,125    |
| PA 1-11   | Hamilton-Larimer                 | 36,147           | \$ 4,114    | 41,936               | \$ 4,772    | 5,789        | \$ 659      |
| PA 1-15   | Pennsylvania-Bidwell             | 84,245           | \$ 9,587    | 84,959               | \$ 9,668    | 714          | \$ 81       |
| PA 1-17   | Pressley Street                  | 82,441           | \$ 9,382    | 68,020               | \$ 7,741    | -14,421      | \$ (1,641)  |
| PA 1-20   | Homewood North*                  | 144,204          | \$ 16,410   | 175,355              | \$ 19,955   | 31,151       | \$ 3,545    |
| PA 1-31   | Murray Tower                     | 26,150           | \$ 2,976    | 46,433               | \$ 5,284    | 20,283       | \$ 2,308    |
| PA 1-32   | Glen Hazel Family                | 162,295          | \$ 18,469   | 153,182              | \$ 17,432   | -9,113       | \$ (1,037)  |
| PA 1-40   | Mazza Pavilion (Brookline)       | 8,521            | \$ 970      | 8,521                |             | 0            | \$ (970)    |
| PA 1-41   | Caliguiri Plaza (Allentown)      | 42,285           | \$ 4,812    | 53,296               | \$ 6,065    | 11,011       | \$ 1,253    |
| PA 1-44   | Finello Pavilion (South Oakland) | 20,869           | \$ 2,375    | 24,773               | \$ 2,819    | 3,904        | \$ 444      |
| PA 1-45   | Morse Gardens                    | 2,572            | \$ 293      | 7,332                | \$ 834      | 4,760        | \$ 542      |
| PA 1-46   | Carrick Regency                  | 26,293           | \$ 2,992    | 33,678               | \$ 3,833    | 7,385        | \$ 840      |
| PA 1-47   | Gualtieri Manor                  | 13,122           | \$ 1,493    | 16,158               | \$ 1,839    | 3,036        | \$ 345      |
|           |                                  | 1,567,457        | \$ 178,377  | 1,858,057            | \$ 147,987  | 309,471      | \$ 34,248   |

## ECM: Interior Common Area Lighting Retrofit

| HA Site # | Site Name                        | Proposed Savings |             | As Installed Savings |             | Difference   |             |
|-----------|----------------------------------|------------------|-------------|----------------------|-------------|--------------|-------------|
|           |                                  | Electric kWh     | Electric \$ | Electric kWh         | Electric \$ | Electric kWh | Electric \$ |
| PA 1-02   | Bedford Dwellings                | 194,663          | \$ 22,153   | 106,355              | \$ 12,103   | -88,308      | \$ (10,049) |
| PA 1-04   | Arlington Heights                | 154,711          | \$ 17,606   | 92,174               | \$ 10,489   | -62,537      | \$ (7,117)  |
| PA 1-05   | Allegheny Dwellings              | 273,650          | \$ 31,141   | 31,790               | \$ 3,618    | -241,860     | \$ (27,524) |
| PA 1-09   | Northview Heights*               | 927,385          | \$ 105,536  | 435,906              | \$ 49,606   | -491,479     | \$ (55,930) |
| PA 1-09H  | Northview High Rise*             | 93,318           | \$ 10,620   | 7,004                | \$ 797      | -86,314      | \$ (9,823)  |
| PA 1-11   | Hamilton-Larimer                 | 6,905            | \$ 786      | 32,079               | \$ 3,651    | 25,174       | \$ 2,865    |
| PA 1-15   | Pennsylvania-Bidwell             | 39,943           | \$ 4,546    | 15,929               | \$ 1,813    | -24,014      | \$ (2,733)  |
| PA 1-17   | Pressley Street                  | 213,553          | \$ 24,302   | 278,784              | \$ 31,726   | 65,231       | \$ 7,423    |
| PA 1-20   | Homewood North*                  | 243,930          | \$ 27,759   | 55,250               | \$ 6,287    | -188,680     | \$ (21,472) |
| PA 1-31   | Murray Tower                     | 98,968           | \$ 11,263   | 67,034               | \$ 7,628    | -31,934      | \$ (3,634)  |
| PA 1-32   | Glen Hazel Family                | 0                | \$ -        | 0                    | \$ -        | 0            | \$ -        |
| PA 1-40   | Mazza Pavilion (Brookline)       | 21,332           | \$ 2,428    | 21,332               |             | 0            | \$ (2,428)  |
| PA 1-41   | Caliguiri Plaza (Allentown)      | 28,301           | \$ 3,221    | 30,311               | \$ 3,449    | 2,010        | \$ 229      |
| PA 1-44   | Finello Pavilion (South Oakland) | 33,577           | \$ 3,821    | 17,579               | \$ 2,000    | -15,998      | \$ (1,821)  |
| PA 1-45   | Morse Gardens                    | 10,159           | \$ 1,156    | 9,164                | \$ 1,043    | -995         | \$ (113)    |
| PA 1-46   | Carrick Regency                  | 41,723           | \$ 4,748    | 53,933               | \$ 6,138    | 12,210       | \$ 1,389    |
| PA 1-47   | Gualtieri Manor                  | 58,996           | \$ 6,714    | 33,036               | \$ 3,759    | -25,960      | \$ (2,954)  |
|           |                                  | 1,421,610        | \$ 161,779  | 912,735              | \$ 87,418   | -571,412     | \$ (67,454) |

Cost per kWh

\$0.1138

\* Buildings are Opt C, therefore savings not included in lighting savings totals

# High Efficiency Refrigerators

The table below shows a summary of the proposed number of high efficiency refrigerators and their locations along with the actual installed number and locations of the refrigerators.

| Locations           | # of Proposed Installations | # of Actual Installations |
|---------------------|-----------------------------|---------------------------|
| Addison Terrace     | 61                          | 75                        |
| Bedford Dwellings   | 51                          | 45                        |
| Allegheny Dwellings | 29                          | 40                        |
| Northview Heights   | 65                          | 72                        |
| Hamilton-Larimer    | 30                          | 0                         |
| Glen Hazel Family   | 69                          | 70                        |
| Totals              | 305                         | 302                       |

| HA Site # | Site Name           | % of Units Occupied | Existing Refrig. Code # | Quan.      | Existing Refrigerators |               | New Refrigerators |               |              | Annual Electric Savings |
|-----------|---------------------|---------------------|-------------------------|------------|------------------------|---------------|-------------------|---------------|--------------|-------------------------|
|           |                     |                     |                         |            | Annual kWh             | Annual Cost   | Refrig. Code #    | Annual kWh    | Annual Cost  |                         |
| PA 1-02   | Bedford Dwellings   | 93.1%               | 10                      | 18         | 11,696                 | \$ 1,331      | 1                 | 6,468         | \$ 736       | 5,228                   |
| PA 1-02   | Bedford Dwellings   | 93.1%               | 12                      | 8          | 10,360                 | \$ 1,179      | 1                 | 2,875         | \$ 327       | 7,485                   |
| PA 1-02   | Bedford Dwellings   | 93.1%               | 13                      | 25         | 24,787                 | \$ 2,821      | 1                 | 8,984         | \$ 1,022     | 15,803                  |
| PA 1-05   | Allegheny Dwellings | 92.9%               | 14                      | 17         | 12,588                 | \$ 1,433      | 1                 | 6,097         | \$ 694       | 6,491                   |
| PA 1-05   | Allegheny Dwellings | 92.9%               | 13                      | 12         | 11,874                 | \$ 1,351      | 1                 | 4,303         | \$ 490       | 7,570                   |
| PA 1-09   | Northview Heights*  | 83.6%               | 4                       | 30         | 20,247                 | \$ 2,304      | 1                 | 9,685         | \$ 1,102     | 10,563                  |
| PA 1-09   | Northview Heights*  | 83.6%               | 5                       | 7          | 7,095                  | \$ 807        | 1                 | 2,260         | \$ 257       | 4,836                   |
| PA 1-09   | Northview Heights*  | 83.6%               | 6                       | 28         | 26,930                 | \$ 3,065      | 1                 | 9,039         | \$ 1,029     | 17,891                  |
| PA 1-11   | Hamilton-Larimer    | 93.3%               | 8                       | 3          | 2,859                  | \$ 325        | 1                 | 1,081         | \$ 123       | 1,778                   |
| PA 1-11   | Hamilton-Larimer    | 93.3%               | 11                      | 27         | 27,443                 | \$ 3,123      | 1                 | 9,727         | \$ 1,107     | 17,716                  |
| PA 1-32   | Glen Hazel Family   | 96.9%               | 1                       | 61         | 51,234                 | \$ 5,830      | 1                 | 22,810        | \$ 2,596     | 28,424                  |
| PA 1-32   | Glen Hazel Family   | 96.9%               | 2                       | 1          | 1,138                  | \$ 130        | 1                 | 374           | \$ 43        | 764                     |
| PA 1-32   | Glen Hazel Family   | 96.9%               | 3                       | 7          | 7,500                  | \$ 854        | 1                 | 2,618         | \$ 298       | 4,883                   |
|           |                     | <b>88.6%</b>        |                         | <b>305</b> | <b>206,394</b>         | <b>23,488</b> |                   | <b>83,737</b> | <b>9,529</b> | <b>96,142</b>           |

**Electrical Savings - kWh                    96,142**  
**Electrical Savings - \$                         \$ 10,941**

\* Building is Opt C, therefore savings not included in refrigerator savings total

# Water Conservation Savings

ECM: **Low Flow Faucet Restrictors & Shower Heads**

| HA Site # | Site Name                   | Annual Savings    |                |               |               | Savings % of Total |                |               |               |
|-----------|-----------------------------|-------------------|----------------|---------------|---------------|--------------------|----------------|---------------|---------------|
|           |                             | Natural Gas - MCF | Electric - kWh | Water - Mgals | Sewer - Mgals | Natural Gas - MCF  | Electric - kWh | Water - Mgals | Sewer - Mgals |
| PA 1-01   | Addison Terrace             | 3,958             | 0              | 8,469         | 8,469         | 7.05%              | 0.00%          | 16.13%        | 0.00%         |
| PA 1-04   | Arlington Heights           | 919               | 0              | 1,967         | 1,967         | 8.00%              | 0.00%          | 14.73%        | 0.00%         |
| PA 1-05   | Allegheny Dwellings         | 0                 | 222,931        | 3,011         | 3,011         | 0.00%              | 9.64%          | 29.17%        | 0.00%         |
| PA 1-09   | Northview Heights           | 3,550             | 0              | 7,596         | 7,596         | 6.34%              | 0.00%          | 30.91%        | 0.00%         |
| PA 1-09H  | Northview High Rise         | 355               | 0              | 759           | 759           | 5.70%              | 0.00%          | 27.81%        | 0.00%         |
| PA 1-11   | Hamilton-Larimer            | 268               | 0              | 574           | 574           | 13.43%             | 0.00%          | 16.52%        | 0.00%         |
| PA 1-15   | Pennsylvania-Bidwell        | 433               | 0              | 928           | 928           | 3.86%              | 0.00%          | 20.28%        | 0.00%         |
| PA 1-17   | Pressley Street             | 533               | 0              | 1,141         | 1,141         | 4.07%              | 0.00%          | 18.14%        | 0.00%         |
| PA 1-20   | Homewood North              | 1,222             | 0              | 2,614         | 2,614         | 5.12%              | 0.00%          | 16.02%        | 0.00%         |
| PA 1-31   | Murray Towers               | 196               | 0              | 418           | 418           | 2.94%              | 0.00%          | 11.45%        | 0.00%         |
| PA 1-32   | Glen Hazel Family           | 840               | 0              | 1,797         | 1,797         | 6.35%              | 0.00%          | 16.30%        | 0.00%         |
| PA 1-40   | Mazza Pavilion (Brookline)  | 89                | 0              | 190           | 190           | 3.51%              | 0.00%          | 14.35%        | 0.00%         |
| PA 1-41   | Caliguiri Plaza (Allentown) | 341               | 0              | 730           | 730           | 8.12%              | 0.00%          | 21.13%        | 0.00%         |
| PA 1-45   | Morse Gardens               | 227               | 0              | 485           | 485           | 7.56%              | 0.00%          | 15.98%        | 0.00%         |
| PA 1-46   | Carrick Regency             | 198               | 0              | 424           | 424           | 8.06%              | 0.00%          | 14.81%        | 0.00%         |
| PA 1-47   | Gualtieri Manor             | 96                | 0              | 205           | 205           | 6.82%              | 0.00%          | 13.44%        | 0.00%         |
|           |                             |                   |                |               |               |                    |                |               |               |
|           |                             | <b>1,194</b>      | <b>222,931</b> | <b>2,556</b>  | <b>2,556</b>  | <b>0.42%</b>       | <b>0.98%</b>   | <b>1.59%</b>  | <b>0.00%</b>  |

| ECM  | Electric Savings kWh | Electric Savings Dollars | Water Savings Mgal | Water Savings Dollars | Natural Gas Savings MCF | Natural Gas Savings Dollars |
|--|----------------------|--------------------------|--------------------|-----------------------|-------------------------|-----------------------------|
| <b>Low Flow Aerators &amp; Showerheads</b> | <b>222,931</b>       | <b>\$25,370</b>          | <b>1,797</b>       | <b>\$17,670</b>       | <b>840</b>              | <b>\$17,700</b>             |
| <b>Total</b>                               | <b>222,931</b>       | <b>\$25,370</b>          | <b>1,797</b>       | <b>\$17,670</b>       | <b>840</b>              | <b>\$17,700</b>             |



# Roof Replacement and Added Insulation Savings

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| HA Site # | Site Name          | Annual Savings    |                | Savings % of Total |                |
|-----------|--------------------|-------------------|----------------|--------------------|----------------|
|           |                    | Natural Gas - MCF | Electric - kWh | Natural Gas - MCF  | Electric - kWh |
| PA 1-02   | Bedford Dwellings  | 0                 | 0              | 0.00%              | 0.00%          |
| PA 1-04   | Arlington Heights  | 123               | 1,319          | 1.07%              | 0.20%          |
| PA 1-09   | Northview Heights* | 425               | 4,548          | 0.76%              | 0.11%          |
| PA 1-20   | Homewood North*    | 219               | 2,336          | 0.92%              | 0.25%          |
| PA 1-31   | Murray Towers      | 12                | 146            | 0.18%              | 0.03%          |
|           |                    | <b>779</b>        | <b>1,465</b>   |                    |                |

**\*Heating MBH Saved Calcs**

Roof MBH/yr.=  $DDh \times 24 / 1000 \times A \times dU$   
 Facade MBH/yr.=  $DDh \times 24 / 1000 \times A \times dU$

**\*Cooling MBH Saved Calcs**

Roof MBH/yr.=  $DDc \times 24 / 1000 \times A \times dU$   
 Facade MBH/yr.=  $DDc \times 24 / 1000 \times A \times dU$

**Where:**      **DDh= Heating Degree Days per Year**  
                   **DDc= Cooling Degree Days per Year**  
                   **dU= Change in Heat Transmission (U) Value**  
                   **A= Total Area, sf**

| Area      | Electric kWh Saved | Electric \$ Saved | Natural Gas Saved MCF | Natural Gas \$ Saved | Total \$     |
|-----------|--------------------|-------------------|-----------------------|----------------------|--------------|
| All Areas | 1,465              | \$167             | Option C Savings      |                      | <b>\$167</b> |

\* Buildings are Opt C, therefore savings not included in roof replacement savings totals

# Limited Thermostats Savings

| HA Site # | Site Name                     | Annual Savings    |                | Savings % of Total |                |
|-----------|-------------------------------|-------------------|----------------|--------------------|----------------|
|           |                               | Natural Gas - MCF | Electric - kWh | Natural Gas - MCF  | Electric - kWh |
| PA 1-04   | Arlington Heights             | 1,194             | 14,973         | 10.39%             | 2.22%          |
| PA 1-09   | Northview Heights*            | 5,678             | 88,252         | 10.14%             | 2.20%          |
| PA 1-11   | Hamilton-Larimer              | 318               | 0              | 15.89%             | 0.00%          |
| PA 1-20   | Homewood North*               | 1,715             | 0              | 7.19%              | 0.00%          |
| PA 1-32   | Glen Hazel Family             | 2,294             | 0              | 17.35%             | 0.00%          |
| PA 1-40   | Mazza Pavilion (Brookline)    |                   | 0              | 0.00%              | 0.00%          |
| PA 1-41   | Caliguiri Plaza (Allentown)   | 893               | 30,433         | 21.27%             | 3.73%          |
| PA 1-44   | Finello Pavilion (South Oakla | 452               | 19,733         | 28.34%             | 4.02%          |
| PA 1-45   | Morse Gardens                 | 835               | 19,469         | 27.84%             | 3.39%          |
| PA 1-46   | Carrick Regency               | 755               | 15,161         | 30.74%             | 2.33%          |
| PA 1-47   | Gualtieri Manor               | 453               | 7,751          | 32.14%             | 2.68%          |
|           |                               | <b>2,294</b>      | <b>107,519</b> | <b>0.81%</b>       | <b>0.47%</b>   |

| HA Site # | Site Name                     | Present Modified* Gas Heating MCF/yr | Present Modified* Electric Cooling kWh/yr | % of Cooling Controlled by Tenant Tstats | Indoor Temp. Heating | Indoor Temp. Cooling | Gas Savings MCF/yr | Electric Clg Savings kWh/yr |
|-----------|-------------------------------|--------------------------------------|---|--|----------------------|----------------------|--------------------|-----------------------------|
| PA 1-04   | Arlington Heights             | 9,486                                | 62,618                                    | 100%                                     | 75                   | 74                   | 1,194              | 14,973                      |
| PA 1-09   | Northview Heights*            | 48,596                               | 397,647                                   | 100%                                     | 75                   | 74                   | 6,118              | 95,085                      |
| PA 1-11   | Hamilton-Larimer              | 1,893                                | 19,858                                    | 0%                                       | 76                   | 74                   | 318                | 0                           |
| PA 1-20   | Homewood North*               | 20,429                               | 76,634                                    | 0%                                       | 74                   | 74                   | 1,715              | 0                           |
| PA 1-32   | Glen Hazel Family             | 10,931                               | 186,049                                   | 0%                                       | 77                   | 74                   | 2,294              | 0                           |
| PA 1-40   | Mazza Pavilion (Brookline)    | 2,082                                | 33,545                                    | 0%                                       | 77                   | 74                   | 437                | 0                           |
| PA 1-41   | Caliguiri Plaza (Allentown)   | 3,547                                | 165,286                                   | 77%                                      | 78                   | 74                   | 893                | 30,433                      |
| PA 1-44   | Finello Pavilion (South Oakla | 1,346                                | 98,241                                    | 84%                                      | 80                   | 74                   | 452                | 19,733                      |
| PA 1-45   | Morse Gardens                 | 2,487                                | 119,734                                   | 68%                                      | 80                   | 74                   | 835                | 19,469                      |
| PA 1-46   | Carrick Regency               | 2,250                                | 91,887                                    | 69%                                      | 80                   | 74                   | 755                | 15,161                      |
| PA 1-47   | Gualtieri Manor               | 1,348                                | 55,891                                    | 58%                                      | 80                   | 74                   | 453                | 7,751                       |

|                           |      |                           |     |
|---------------------------|------|---------------------------|-----|
| Heating Degree Days @ 60= | 4606 | Cooling Degree Days @ 70= | 292 |
| Heating Degree Days @ 65= | 5829 | Cooling Degree Days @ 65= | 726 |
| DD/Deg.F=                 | 245  | DD/Deg.F=                 | 87  |
| % reduction per Deg.F=    | 4%   | % reduction per Deg.F=    | 12% |
| Target indoor Temp.=      | 72   | Target indoor Temp.=      | 76  |

| Area      | Electrical Savings kWh | Electrical Savings \$ | Natural Gas Savings MCF | Natural Gas Savings \$ | Total \$        |
|-----------|------------------------|-----------------------|-------------------------|------------------------|-----------------|
| All Areas | <b>107,519</b>         | <b>\$12,236</b>       | <b>2,294</b>            | <b>\$48,348</b>        | <b>\$60,584</b> |

\* Buildings are Opt C, therefore savings not included in limiting thermostats savings totals

# Replace Ventilation Units, New Chiller & Insulate Duct Savings

**ECM: Replace Existing Gas Fired Rooftop Corridor Ventilation Units**

| HA Site #     | Site Name                  | Annual Savings    |                | Savings % of Total |                |
|---------------|----------------------------|-------------------|----------------|--------------------|----------------|
|               |                            | Natural Gas - MCF | Electric - kWh | Natural Gas - MCF  | Electric - kWh |
| PA1-31        | Murray Towers              | 103               | 13,243         | 1.55%              | 3.06%          |
| PA 1-40       | Mazza Pavilion (Brookline) | 60                | 6,445          | 2.35%              | 2.72%          |
| <b>Totals</b> |                            | <b>163</b>        | <b>19,688</b>  | <b>0.06%</b>       | <b>0.09%</b>   |

| HA Site #     | Site Name                  | Current Ventilation Units |                    |               | New Ventilation Units |               |                    |               |
|---------------|----------------------------|---------------------------|--------------------|---------------|-----------------------|---------------|--------------------|---------------|
|               |                            | CFM                       | Heating Efficiency | MCF per Year* | Heating Efficiency    | MCF per Year* | Cooling kW per Ton | kWh per Year* |
| PA1-31        | Murray Towers              | 8,445                     | 0.75               | 1,652         | 0.80                  | 1,548         | 1                  | 13,243        |
| PA 1-40       | Mazza Pavilion (Brookline) | 4,110                     | 0.75               | 804           | 0.81                  | 744           | 1                  |               |
| <b>Totals</b> |                            | <b>12,555</b>             |                    | <b>2,456</b>  |                       | <b>2,293</b>  |                    | <b>13,243</b> |

\*MCF per Year Calcs       $MCF/yr. = cfm \times Ca \times H \times dT / Eh / 1030000$

\*kWh per Year Calcs       $kWh/yr. = cfm \times Ca \times Ec \times H \times dT / 12000$

Where:

- Ca= Heat capacity factor for air
- dT= Change in Temperature, Deg.F
- cfm= Airflow Cubic Feet per Minute
- H= Hours of Operation at Design Capacity per Year
- Eh= Heating Efficiency
- Ec= Cooling Efficiency, kW/Ton

**ECM: Insulate Exterior Duct Runs of Make Up Air Handling Unit**

| HA Site # | Site Name     | Annual Savings    |                | Savings % of Total |                |
|-----------|---------------|-------------------|----------------|--------------------|----------------|
|           |               | Natural Gas - MCF | Electric - kWh | Natural Gas - MCF  | Electric - kWh |
| PA1-31    | Murray Towers | 20                | 212            | 0.31%              | 0.05%          |

|                     |       |
|---------------------|-------|
| MAU Heating Temp:   | 85    |
| MAU Cooling Temp:   | 70    |
| Heating Efficiency: | 70.0% |
| EER:                | 10    |

| HA Site # | Site Name     | Total Surface Area Sq Ft | Present U-Factor | Current MCFs | Current kWh | New U-Factor | Heating MCFs Saved | Cooling kWhs Saved |
|-----------|---------------|--------------------------|------------------|--------------|-------------|--------------|--------------------|--------------------|
| PA1-31    | Murray Towers | 100                      | 1                | 23           | 236         | 0            | 21                 | 212                |

\*MCF Saved Calcs       $MCF/yr. = A \times dU \times H \times dT / Bmcf / Eh$

\*kWh Saved Calcs       $kWh/yr. = A \times dU \times H \times dT / K / EER$

Where:

- dU= Change in Heat Transmission (U) Value
- H= Equivalent Hours of Operation at Design Capacity per Year
- A= Total SF of Duct Surface
- dT= Change in Temperature, Deg.F
- EER= Energy Efficiency Ratio, MBtu/kWh
- Eh= Heating Efficiency
- Bmcf= Btus per MCF of natural gas= 1,040,000
- K= Watts per Kilowatt= 1000

| ECM Number                      | Electrical Savings kWh | Electrical Savings \$ | Natural Gas Savings MCF | Natural Gas Savings \$ | Total \$ |
|---------------------------------|------------------------|-----------------------|-------------------------|------------------------|----------|
| 30 New Unit                     | 13,243                 | \$1,507               | Option C Savings        |                        | \$1,507  |
| 32 Heat Recovery / New Chiller* | 3,842                  | \$437                 |                         |                        | \$437    |
| 37 Insulate Duct                | 212                    | \$24                  |                         |                        | \$24     |

\*Note: As per change order 1, the new chiller's potential to save is estimated to be the same as the originally proposed heat recovery savings. The original proposed savings are shown.

# Adjustment Summary

|   |                  |
|---|------------------|
| Adjustment 1 - Elimination of Mazza Pavilion            | \$28,047         |
| Adjustment 2 - Elimination of Heat Pump Units           | \$132,077        |
| Adjustment 3 - Temporary elimination of Addison Terrace | \$371,785        |
|   | <u>\$531,909</u> |

# Adjustment Detail

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## 1. Change Order 2 - Elimination of Mazza Pavilion

### Discussion:

During installation Mazza Pavilion was removed from the project via Change Order #2 Rev #2 dated 30 July, 2008

This Change Order required that the effect of that elimination to be noted as savings adjustment.

The following values are adjustments to comply with that requirement.

|                |                  |                        |
|----------------|------------------|------------------------|
| Mazza Pavilion | Electric Savings | \$2,816                |
|                | Gas Savings      | \$22,886               |
|                | Water Savings    | <u>\$2,345</u>         |
|                | Total Savings    | <u><u>\$28,047</u></u> |

# Adjustment Detail

## 2. Change Order 2 - Elimination of Geothermal Units

### Discussion:

During the installation it was determined that a modification in the scope and number of geothermal units was in order. These changes are detailed in Change Order #2 Rev # 2 dated 30 July 2008. In this order, the savings guarantee was not adjusted, but it was stated that a Baseline Adjustment would be made to compensate for the lost savings due to these units being eliminated. The calculation below quantify those adjustments.

### Calculations:

Geothermal deduction savings:

| HA Site #                          | Site Name         | Common Sq. Feet | Bldg Sq. Feet | Year Built | # of Flrs | # of Units | # of Bldgs |                                    |            |             |             |             |           |      |    |  |  |
|------------------------------------|-------------------|-----------------|---------------|------------|-----------|------------|------------|------------------------------------|------------|-------------|-------------|-------------|-----------|------|----|--|--|
|                                    |                   |                 |               |            |           |            |            | 2 BR                               | 3 BR       | 4 BR        | 5 BR        | 6 BR        |           |      |    |  |  |
| PA 1-09                            | Northview Heights | 30,000          | 595,100       | 1960       | 2         | 501        | 75         | 36                                 | 353        | 87          | 25          | 0           |           |      |    |  |  |
|                                    |                   |                 |               |            |           |            |            | Gas Savings per BR (MCF):          | 2,714      | 26,613      | 6,559       | 1,885       |           |      |    |  |  |
|                                    |                   |                 |               |            |           |            |            | Electric Savings per BR (kWh):     | (137,490)  | (1,348,162) | (332,267)   | (95,479)    |           |      |    |  |  |
|                                    |                   |                 |               |            |           |            |            | Units Eliminated:                  |            | 66          | 27          | 3           |           |      |    |  |  |
|                                    |                   |                 |               |            |           |            |            | % units Eliminated:                |            | 0.19        | 0.31        | 0.12        |           |      |    |  |  |
|                                    |                   |                 |               |            |           |            |            | Gas Savings Eliminated (MCF):      |            | 4,976       | 2,036       | 226         |           |      |    |  |  |
|                                    |                   |                 |               |            |           |            |            | Electric Savings Eliminated (kWh): |            | (252,064)   | (103,117)   | (11,457)    |           |      |    |  |  |
| PA 1-20                            | Homewood North    | 8,000           | 145,550       | 1970       | 2 & 3     | 135        | 20         | 38                                 | 58         | 30          | 0           | 9           |           |      |    |  |  |
|                                    |                   |                 |               |            |           |            |            | Gas Savings per BR (MCF):          | 4,952      | 7,558       | 3,909       | 0           | 1,173     |      |    |  |  |
|                                    |                   |                 |               |            |           |            |            | Electric Savings per BR (kWh):     | (238,706)  | (364,340)   | (188,452)   | 0           | (56,536)  |      |    |  |  |
|                                    |                   |                 |               |            |           |            |            | Units Eliminated:                  |            | 13          | 2           |             | 1         |      |    |  |  |
|                                    |                   |                 |               |            |           |            |            | % units Eliminated:                |            | 22%         | 7%          |             | 11%       |      |    |  |  |
|                                    |                   |                 |               |            |           |            |            | Gas Savings Eliminated (MCF):      |            | 1,694       | 261         |             | 130       |      |    |  |  |
|                                    |                   |                 |               |            |           |            |            | Electric Savings Eliminated (kWh): |            | (81,662)    | (12,563)    |             | (6,282)   |      |    |  |  |
|                                    |                   |                 |               |            |           |            |            | Natural Gas                        |            | Electric    |             |             | Water     |      |    |  |  |
|                                    |                   |                 |               |            |           |            |            | MCF                                | \$         |             | kWh         | \$          |           | kGal | \$ |  |  |
| Delete 96 units, Northview Heights |                   |                 |               |            |           |            |            | 7,238                              | \$ 143,810 | \$ 19.87    | -366,639    | \$ (41,724) | \$ 0.1138 |      |    |  |  |
| Delete 16 units, Homewood North    |                   |                 |               |            |           |            |            | 2,085                              | \$ 41,428  | \$ 19.87    | -100,508    | \$ (11,438) | \$ 0.1138 |      |    |  |  |
|                                    |                   |                 |               |            |           |            |            | \$ 185,238                         |            |             | \$ (53,161) |             |           |      |    |  |  |

## 3. Temporary Closure of Addison Terrace

### Discussion:

During 2013 Addison Terrace was removed from use due to a rehabilitation project.

This change required that the affect of that elimination be noted as an adjustment to savings.

The following values are adjustments to comply with that requirement. Savings are based on 2011-12 demonstrated performance

|                 |                  |                  |
|-----------------|------------------|------------------|
| Addison Terrace | Electric Savings | \$88,451         |
|                 | Gas Savings      | \$275,643        |
|                 | Water Savings    | \$7,691          |
|                 | Total Savings    | <u>\$371,785</u> |

# Building Utilities Baselines

| HA Site # | Site Name                        | Natural Gas - MCF |                     |                 | Electric - kWh    |                     |                 | Water - Mgal   |                     |                | Total               | AMP # |
|-----------|----------------------------------|-------------------|---------------------|-----------------|-------------------|---------------------|-----------------|----------------|---------------------|----------------|---------------------|-------|
|           |                                  | MCF/yr.           | Cost/yr.            | \$ per MCF      | kWh/yr.           | Cost/yr.            | \$ per kWh      | Mgal/yr.       | Cost/yr.            | \$ per Mgal    | Cost/yr.            |       |
| PA 1-01   | Addison Terrace                  | 56,106            | \$ 1,114,862        | \$ 19.87        | 4,288,267         | \$ 488,211          | \$ 0.11         | 52,514         | \$ 486,808          | \$ 9.27        | \$ 2,089,881        | 1     |
| PA 1-02   | Bedford Dwellings                | 52,217            | \$ 1,037,590        | \$ 19.87        | 3,209,330         | \$ 365,376          | \$ 0.11         | -              | \$ -                | \$ -           | \$ 1,402,966        | 2     |
| PA 1-04   | Arlington Heights                | 11,491            | \$ 228,332          | \$ 19.87        | 675,017           | \$ 76,849           | \$ 0.11         | 13,355         | \$ 123,801          | \$ 9.27        | \$ 428,982          | 4     |
| PA 1-05   | Allegheny Dwellings              | 17,214            | \$ 342,053          | \$ 19.87        | 2,312,239         | \$ 263,244          | \$ 0.11         | 10,321         | \$ 95,679           | \$ 9.27        | \$ 700,975          | 5     |
| PA 1-09   | Northview Heights                | 56,014            | \$ 1,113,030        | \$ 19.87        | 4,018,889         | \$ 457,543          | \$ 0.11         | 24,572         | \$ 227,782          | \$ 9.27        | \$ 1,798,355        | 9     |
| PA 1-09H  | Northview High Rise              | 6,224             | \$ 123,670          | \$ 19.87        | 446,543           | \$ 50,838           | \$ 0.11         | 2,730          | \$ 25,309           | \$ 9.27        | \$ 199,817          | 9     |
| PA 1-11   | Hamilton-Larimer                 | 1,999             | \$ 39,716           | \$ 19.87        | 143,352           | \$ 16,320           | \$ 0.11         | 3,476          | \$ 32,222           | \$ 9.27        | \$ 88,259           | 11    |
| PA 1-15   | Pennsylvania-Bidwell             | 11,237            | \$ 223,279          | \$ 19.87        | 667,553           | \$ 76,000           | \$ 0.11         | 4,573          | \$ 42,396           | \$ 9.27        | \$ 341,674          | 15    |
| PA 1-17   | Pressley Street                  | 13,102            | \$ 260,345          | \$ 19.87        | 1,439,800         | \$ 163,918          | \$ 0.11         | 6,287          | \$ 58,284           | \$ 9.27        | \$ 482,547          | 17    |
| PA 1-20   | Homewood North                   | 23,843            | \$ 473,784          | \$ 19.87        | 926,803           | \$ 105,515          | \$ 0.11         | 16,317         | \$ 151,258          | \$ 9.27        | \$ 730,556          | 20    |
| PA 1-31   | Murray Towers                    | 6,651             | \$ 132,166          | \$ 19.87        | 433,333           | \$ 49,334           | \$ 0.11         | 3,656          | \$ 33,888           | \$ 9.27        | \$ 215,388          | 31    |
| PA 1-32   | Glen Hazel Family                | 13,222            | \$ 262,732          | \$ 19.87        | 1,128,794         | \$ 128,511          | \$ 0.11         | 11,021         | \$ 102,168          | \$ 9.27        | \$ 493,411          | 10    |
| PA 1-40   | Mazza Pavilion (Brookline)       | 2,532             | \$ 50,314           | \$ 19.87        | 236,747           | \$ 26,953           | \$ 0.11         | 1,326          | \$ 12,294           | \$ 9.27        | \$ 89,560           | 40    |
| PA 1-41   | Caliguiri Plaza (Allentown)      | 4,198             | \$ 83,423           | \$ 19.87        | 814,918           | \$ 92,777           | \$ 0.11         | 3,454          | \$ 32,015           | \$ 9.27        | \$ 208,216          | 41    |
| PA 1-44   | Finello Pavilion (South Oakland) | 1,594             | \$ 31,677           | \$ 19.87        | 491,377           | \$ 55,942           | \$ 0.11         | -              | \$ -                | \$ -           | \$ 87,619           | 44    |
| PA 1-45   | Morse Gardens                    | 2,999             | \$ 59,588           | \$ 19.87        | 574,185           | \$ 65,370           | \$ 0.11         | 3,036          | \$ 28,144           | \$ 9.27        | \$ 153,101          | 45    |
| PA 1-46   | Carrick Regency                  | 2,456             | \$ 48,812           | \$ 19.87        | 650,483           | \$ 74,056           | \$ 0.11         | 2,861          | \$ 26,525           | \$ 9.27        | \$ 149,392          | 46    |
| PA 1-47   | Gualtieri Manor                  | 1,408             | \$ 27,980           | \$ 19.87        | 288,945           | \$ 32,896           | \$ 0.11         | 1,529          | \$ 14,170           | \$ 9.27        | \$ 75,046           | 47    |
|           |                                  | <b>284,508</b>    | <b>\$ 5,653,351</b> | <b>\$ 19.87</b> | <b>22,746,575</b> | <b>\$ 2,589,654</b> | <b>\$ 0.114</b> | <b>161,029</b> | <b>\$ 1,492,741</b> | <b>\$ 9.27</b> | <b>\$ 9,735,745</b> |       |

**Natural Gas Cost: \$19.8706 per MCF**  
**Electric Cost: \$0.1138 per Kwh**  
**Water Cost: \$9.2700 Per Mgal.**  
**Combined Water/Sewer: \$9.2700 Per Mgal.**

# ECM: Water Conservation & Lighting

| Qty  | Site              | Unit | Lighting<br>(Bath &<br>Kitchen) | Kitchen | Bathroom | Shower  | WC      |
|--|-------------------|------|---------------------------------|---------|----------|---------|---------|
|  |                   |      |                                 | 1.5 GPM | 0.5 GPM  | 2.0 GPM | 1.6 GPF |
| 1  | Northview Heights | 712  | x                               | 2.2     | 1        | x       | x       |
| 2  | Northview Heights | 711  | x                               | x       | x        | x       | x       |
| 3  | Northview Heights | 640  | x                               | x       | x        | x       | x       |
| 4  | Northview Heights | 644  | x                               | 2.2     | x        | x       | x       |
| 5  | Northview Heights | 865  | x                               | 2.2     | x        | x       | x       |
| 6  | Northview Heights | 147  | x                               | 2.2     | x        | x       | x       |
| 7  | Northview Heights | 107  | x                               | 2.2     | x        | x       | x       |
| 8  | Northview Heights | 1476 | x                               | x       | x        | x       | x       |
| 1  | Pressley          | 1516 | x                               | x       | x        | x       | x       |
| 2  | Pressley          | 1315 | x                               | x       | x        | x       | x       |
| 3  | Pressley          | 1118 | x                               | x       | x        | x       | x       |
| 4  | Pressley          | 515  | x                               | x       | x        | x       | x       |
| 5  | Pressley          | 304  | x                               | x       | x        | x       | x       |
| 6  | Pressley          | 208  | x                               | x       | x        | x       | x       |
| 1  | Carrick           | 8E   | x                               | x       | x        | x       | x       |
| 2  | Carrick           | 6L   | x                               | x       | x        | x       | x       |
| 3  | Carrick           | 4A   | x                               | 2       | x        | x       | x       |
| 4  | Carrick           | 4e   | x                               | x       | x        | x       | x       |
| 5  | Carrick           | 2L   | x                               | x       | x        | x       | x       |
| 6  | Carrick           | 1J   | x                               | x       | x        | x       | x       |
| 1  | Gualtieri         | 908  | x                               | x       | x        | x       | x       |
| 2  | Gualtieri         | 815  | x                               | x       | x        | x       | x       |
| 3  | Gualtieri         | 1009 | x                               | x       | x        | x       | x       |
| 4  | Gualtieri         | 1008 | x                               | x       | x        | x       | x       |
| 5  | Gualtieri         | 1108 | x                               | x       | x        | x       | x       |
| 1  | Arlington         | 535  | x                               | x       | x        | x       | x       |
| 2  | Arlington         | 606  | x                               | 2       | x        | x       | x       |
| 3  | Arlington         | 608  | x                               | 2       | x        | x       | x       |
| 4  | Arlington         | 643  | x                               | x       | x        | x       | x       |
| 5  | Arlington         | 645  | x                               | x       | x        | x       | x       |
| 6  | Arlington         | 656  | x                               | 2       | x        | x       | x       |
| <b>Notes:</b>  |                   |      |                                 |         |          |         |         |
| <b>1- x - Proper fixture still in place and operating.</b> |                   |      |                                 |         |          |         |         |

MVS: Charlie Hanna

Date of Inspection:

7/21/2015

# ECM: Limiting Thermostats

|   | Site              | Unit # | Occ Heat | Limit Heat | Occ Cool | Limit Cool | Current Temp |
|---|-------------------|--------|----------|------------|----------|------------|--------------|
| 1 | Northview Heights | 802    | N/A      | 73         | 71       | 75         | 71           |
| 2 | Northview Heights | 707    | N/A      | 73         | 66       | 75         | 76           |
| 3 | Northview Heights | 46     | N/A      | 73         | 71       | 75         | 71           |
| 4 | Northview Heights | 44     | N/A      | 73         | Off      | 75         | 72           |
| 5 | Northview Heights | 32     | N/A      | 73         | Off      | 75         | 73           |
| 6 | Northview Heights | 404    | N/A      | 73         | 75       | 75         | 70           |
| 7 | Northview Heights | 402    | N/A      | 73         | 67       | 75         | 67           |
| 8 | Northview Heights | 406    | N/A      | 73         | 72       | 75         | 72           |
| 1 | Arlington         | 535    | N/A      | 73         | Off      | 75         | 70           |
| 2 | Arlington         | 606    | N/A      | 73         | 70       | 75         | 70           |
| 3 | Arlington         | 608    | N/A      | 73         | Off      | 75         | 71           |
| 4 | Arlington         | 643    | N/A      | 73         | 68       | 75         | 75           |
| 5 | Arlington         | 645    | N/A      | 73         | 73       | 75         | 71           |
| 6 | Arlington         | 656    | N/A      | 73         | 79       | 75         | 70           |
|   |                   |        |          |            |          |            |              |
|   |                   |        |          |            |          |            |              |
|   |                   |        |          |            |          |            |              |

**Notes:**  
**1- In some units, the tenants are calling Honeywell tech support to get directions on bypassing the lock on the digital thermostats.**  
**2- Some tenants acquire a doctor's note to gain full control of thermostat.**

## **ECM: Miscellaneous**

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| <b>ECM Description</b> | <b>Notes</b>  |
|------------------------|---|
| Windows & Air Sealing  | Installation is in place and there are no issues with this ECM. |
| Refrigerators          | No issues reported  |
| Geothermal Heat Pumps  | No issues reported  |
| Radiator Valves        | No issues reported  |

MVS: Charlie Hanna  
Date of Inspection:  
7/21/2015

# Glossary of Terms

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|                    |   |
|--------------------|---|
| actual cost        | Actual energy cost taken directly from utility bill.  |
| actual savings     | Savings derived through the Metrix™ program; baseline less actual costs. Positive actual savings indicate utility costs have been reduced after adjusting for weather and other variables in dollars. |
| balance point      | (HtgDD), the outdoor temperature below which space heating is required or (ClgDD), the outdoor temperature above which space cooling is required.   |
| baseline           | The adjusted, tuned pre-retrofit bills (usually 1 year) used to compare to post-installation usage in order to calculate savings.   |
| baseline cost      | Cost calculated for the baseline using current rates.   |
| billed dollars     | Amount billed from utility company.   |
| bill matching      | Adjustment made by Metrix™ to account for differing number of days in the billing period before calculating cost avoidance.   |
| cost avoidance     | The difference between the baseline cost and the actual or SimActual cost in dollars.   |
| degree-day         | Unit representing one degree of difference between the balance point selected and the average temperature during one day.   |
| EER                | Energy Efficiency Ratio of cooling equipment defined as the cooling effect in BTU's divided by the power use in watts   |
| guarantee period   | Time period specified in contract for which Honeywell will guarantee energy savings.  |
| guarantee year     | Number identifying for which year the review is performed based on the number of years the guarantee is in effect.  |
| guaranteed savings | Those savings Honeywell promises the customer through the use of maintenance programs, retrofits, upgrades and energy management systems.   |

# Glossary of Terms

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|                    |   |
|--------------------|---|
| HVAC               | Industry standard abbreviation for Heating, Ventilating and Air Conditioning.   |
| HtgDD/ClgDD        | HtgDD = Heating degree-days<br>ClgDD = Cooling degree-days  |
| kW                 | Kilowatt - a unit of electrical power, equal to 1000 watts.   |
| kWh                | Kilowatt hours - a unit of electrical energy or work, equal to that done by one kilowatt acting for one hour.   |
| modification       | An allowance for changes in the facility which affect utility usage that occur while tracking the performance of a meter. Modifications correct both the actual and baseline usage and cost for meters. |
| pre-installation   | Time period (start month and stop month, typically one year's time) that is used as a benchmark for comparison which consists of all energy bills applicable to the retrofit.                           |
| $R^2$              | A measure of how well the independent variable in a regression can explain changes in the dependent variable. An $R^2 = "1.0"$ indicates a perfect correlation.   |
| rate tariff        | Actual amount the utility company charges per unit of energy or demand; used by Metrix <sup>TM</sup> to calculate utility costs for the SimActual & Baseline scenarios.                                 |
| reference year     | The actual usage for designated baseline period.  |
| review period      | Time period for which savings are reported.   |
| runtime adjustment | Adjustment made for those hours equipment has run beyond the operating hours specified in the contract.   |
| simactual          | The total cost for the billing period as calculated by Metrix <sup>TM</sup> .   |
| weather adjustment | Adjustment made by Metrix <sup>TM</sup> for weather variations using degree days.   |

## Report Delivery Receipt

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Honeywell has presented the Cost Avoidance Review for Housing Authority of the City of Pittsburgh; Contract No. 565-89-52029. This report details energy savings results for Year 4 and indicates cost avoidance of \$3,046,182 for the year, as compared to the energy guarantee per the contract of \$2,797,637.

**Please sign below to acknowledge receipt of this report. Your signature does not indicate acceptance of the results.** If the results are not agreed upon, Housing Authority of the City of Pittsburgh has forty-five (45) days from the delivery date of this report to provide a detailed explanation and request for action, in writing, to Honeywell International Inc., Energy Analysis, 4263 Monroe Street, Toledo, Ohio 43606. Otherwise, the cost avoidance results will be deemed accepted.

Received by:

Presented by:

\_\_\_\_\_  
Name (please print)

\_\_\_\_\_

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Date