## Resolution Authorizing the Negotiation and Execution of a Contract for Real Estate Brokerage Services for the Sale of Real Property

WHEREAS, the Harris County Housing Authority (HCHA) issued a Qualification Based Solicitation \#12-2 (QBS) on October 15, 2012, soliciting proposals for Real Estate Firms to provide Brokerage Services related to the sale of real property related to the IHCHA's real estate holdings; and

WHEREAS, HCHA desires to retain a Real Estate Broker to assist the Authority with the sale of parcel (s) of land and/or other real estate holdings; and

WHEREAS, the QBS was advertised in the local newspaper on October 21th and 28th, 2012, and posted on HCHA's website; and

WHEREAS, responses to QBS \#12-2 were due October 29, 2012; and
WHEREAS, HCHA received three response to QBS \#12-2 from Transwestern, Lewis Property Company, and George E. Johnson Properties LLC; and

WHEREAS, the staff of HCHA reviewed, evaluated and ranked the responses to the QBS; and

WHEREAS, HCHA staff found that all applicants' proposals complied with the requirements of the RFP ; and

WIEEREAS, HCHA staff found that two applicants' qualifications merited that they be brought to the board for consideration given the proposals' response to the criteria stated in the QBS.

NOW TIIEREFORE BE IT RESOLVED, that the Chi of Executive Officer of HCHA, is authorized and directed to negotiate and execute a contract for Real Estate Brokerage Services with Transwestern to provide services related to the sale of parcels) of land and/or other real estate holdings, and to take such actions as the Chief Executive Officer deems necessary to effectuate the intent of this resolution, the execution of any document or taking of any action to be conclusive evidence of the necessity therefor. The Board of Commissioners further authorizes and directs staff to allow for brokerage services not to exceed $4 \%$ for their buyer and seller fees combined and $3 \%$ if Transwestern is the sole broker.


## Resolution Authorizing the Negotiation and Execution of a Contract for Bond Counsel Services

WHEREAS, the Harris County Housing Authority (HCHA) issued a Request for Proposals on November 5, 2012, soliciting proposals for Legal Firms to provide Bond Counsel Services related to HCHA's affordable housing program; and

WHEREAS, the RFP was advertised in the local newspaper on November 4, 2012 and November 11, 2012, and posted on HCHA's website, and

WHEREAS, responses to RFP \#11-01 were due November 27, 2012; and
WHEREAS, HCHA received four responses to RFP \#11-01 from Bates \& Coleman, Bracewell \& Giuliani, Fulbright \& Jaworski, and Haynes \& Boone; and

WIIEREAS, the staff of HCHA reviewed evaluated and ranked the responses to the RFP; and

WHEREAS, HCHA staff working with the Board of Commissioners found the received qualifications and proposals complied with the requirements of the RFP; and

WHEREAS, Fulbright \& Jaworski proposal was ranked number one and the proposal, scope and fees (subject to negotiation) are most advantageous to HCHA.

NOW THEREFORE BE YT RESOLVED, that the Chief Executive Officer of HCHA, is authorized and directed to negotiate and execute a contract for Bond Counsel with Fulbright \& Jaworski for services related to HCHA's Affordable Housing Development and Construction Program, and to take such actions, inclusive of the negotiation of the best available discount rates, as the Chief Executive Officer deems necessary to effectuate the intent of this resolution, the execution of any document or taking of any action to be conclusive evidence of the necessity therefor.


## Resolution Authorizing the Negotiation and Execution of a Contract for Permanent Loan Financing

WHEREAS, Harris County Housing Authority (HCHA) issued a Request for Proposals \#12-09 (RFP) on December 9, 2012, soliciting proposals for financial institutions to provide Permanent Loan Financing related to HCHA's Cypresswood Estates senior affordable housing development; and

WHEREAS, the RFP was advertised in the local newspaper on December 9, 2012 and December 16, 2012, and posted on HCHA's website; and

WHEREAS, responses to RFP \#12-09 were due January 8, 2013; and
WHEREAS, HCHA received one response to RFP \#12-09 from Community Bank of Texas; and

WHEREAS, the staff of HCHA reviewed and evaluated the response to the RFP; and
WHEREAS, HCHA staff found the proposal complied with the requirements of the RFP; and

WHEREAS, the Community Bank of Texas proposal, scope and fees (subject to negotiation) are most advantageous to HCHA.

NOW THEREFORE BE IT RESOLVED, that the Chief Executive Officer of HCHA, is authorized and directed subject to the terms of the attached Term Sheet from the Community Bank of 'Texas, to negotiate and execute a contract for Permanent Loan financing with Community Bank of Texas for financing related to HCHA's Cypresswood Estates development, and to take such actions as the Chief Executive Officer deems necessary to effectuate the intent of this resolution, the execution of any document or taking of any action to be conclusive evidence of the necessity therefor.


Attachment: Term Sheet

January 8, 2013
Todd Graff
Harris County Housing Authority
8933 Interchange Drive
Houston, Texas 77054
Re: Cypresswood Estates
Dear Todd,
CommunityBank of Texas (the "Bank") is pleased to provide the following term sheet for permanent financing to HCHA Cypresswood Estates, Ltd. (the "Borrower") for the development of Cypresswood Estates, an 88 -unit seniors development financed with funds from the CDBG and NSP Programs located in Houston, Texas. The proposed terms and conditions are as follows:

## Summary of Terms

| Borrower: | HCHA Cypresswood Estates, Ltd. |
| :--- | :--- |
| Guaranty: | Loan will be non-recourse to borrower. |
| Project: | Cypresswood Estates located 15331 Kuykendahl Road, Houston, Texas 77090 |
| Credit Facilities: | Permanent loan of approximately $\$ 3,500,000$ : |

- $4.25 \%$ fixed rate
- 60 -month term
- Minimum of 1.25 x debt service coverage at initial underwriting.
- Zero pre-payment penalty - You may pay off the loan at anytime without penalty.
- Monthly principal and interest payments based on a $4.25 \%$ fixed rate and a $30-$ year amortization with the remainder principal balance due as a balloon payment at the end of the 60-month maturity.
- Replacement reserves to be $\$ 250$ per unit per year with agreed upon increases for future years.
- Operating reserve in the amount $3 \%$ of net operating income will be escrowed into the operating reserve account annually.
- One 60 -month extension to be priced at $6.75 \%$ subject to 1) No event of default has occurred or potential for default to occur, 2) $90 \%$ occupancy and 3) No material adverse change in the financial condition of the Project (i.e., deferred
maintenance, significant reserve depletions, etc.). Amortization would continue on the remaining 25 years left on the original 30 -year amortization.

Loan-to-value: 1) Actual permanent loan amount not to exceed $80 \%$ during permanent period, based on stabilized rent-restricted value. Appraisal report will be in form and substance acceptable to the Bank.

## Collateral:

- $1^{\text {st }}$ lien leasehold interest and assignment of leases and rents on the subject property
- UCC filing on furniture, fixtures, and equipment
- Security interest in replacement reserve funds
- Assignment and subordination of deferred developer fee and other management fees collected by general partner or a related entity.
- Assignment and subordination of management, construction, architectural contracts, etc.

Fees: $\quad$ Origination fee of $0.75 \%$ of the permanent loan (payable at permanent loan closing) and $0.25 \%$ for the extension. Borrower will also pay for all reasonable costs incurred by the Bank in connection with the loan including, but not limited to, legal fees and expenses, appraisal/survey fees, title insurance premiums and search fees, UCC searches, environmental assessment fees, whether or not the loan contemplated herein are funded. This obligation will survive whether or not the loan is approved.

Reporting Requirements: Include but are not limited to:

- Annual audited financial statements of Borrower
- Quarterly operating statements on the property


## Summary of Conditions

This proposal is subject to all of the following conditions being met prior to construction closing:
Project Operations: Review of current operating financial statements indicating annualized 1.25 x debt service coverage. Principal amount of loan may be adjusted based on this review.

Other Conditions: Receipt and approval of those items listed in the Due Diligence Checklist

If you should have any questions concerning these terms and conditions, please feel free to call me at (832) 214-3129. Todd, thank you for giving us the opportunity to consider financing for this project.

Sincerely,

## CommunityBank of Texas <br> By: <br>  <br> Mahesh S. Ayer <br> Executive Vice President

Agreed to:

By: $\qquad$
Authorized signer of Borrower

## Resolution Authorizing the Negotiation and Execution of a Contract for Legal Consulting Services-Transaction Real Estate \& Construction

WHEREAS, the Harris County Housing Authority (HCHA) issued a Request for Proposals (RFP) \# 10-04 on October 8, 2012 and (RFP) \#12-16 on December 20, 2012, soliciting proposals for Legal Firms to provide legal services related to the HCHA's affordable housing and construction program; and

WHEREAS, the RFP was advertised in the local newspaper on October 7th and 14th, 2012, December 20th and 30th 2012, and posted on the HCHA website; and

WHEREAS, responses to RFP \#10-04 were due November 2, 2012 and RFP \#12-16 were due on January 18, 2013; and

WHEREAS, the HCHA received two responses to RFP \#10-04 from Reno \& Cavanaughand Coats/Rose and no response to RFP \#12-16; and

WHEREAS, the staff of the HCHA reviewed evaluated and ranked the responses to the RFP's; and

WHEREAS, HCHA staff found the Coats/Rose qualifications and proposal complied with the requirements of the RFP; and

WHEREAS, Coats/Rose's proposal was ranked number one and the proposal, scope and fees (subject to negotiation) are most advantageous to the HCHA.

NOW THEREFORE BE IT RESOLVED, that Chief Executive Officer of the HCHA, is authorized and directed to negotiate and execute a contract for Legal Services with Coats/Rose for services related to the HCHA's Affordable Housing Development and Construction Program, and to take such actions as the Chief Executive Officer deems necessary to effectuate the intent of this resolution, the execution of any document or taking of any action to be conclusive evidence of the necessity therefor.


## RESOLUTION NO. 13-05

## RESOLUTION AUTHORIZING THE AWARD OF CONTRACT FOR ARCHITECTURAL AND ENGINEERING SERVICES FOR VARIOUS PROJECTS UNDER THE AFFORDABLE HOUSING DEVELOPMENT PROGRAM

WHEREAS, the Harris County Housing Authority issued a Request for Qualifications (RFQ No. 13-01) for Architectural and Engineering Services on January 13, 2013 for HCHA's Affordable Housing Development program (AHDP); and

WHEREAS, such RFQ was advertised in the local newspaper on January 13, 2013 and January 20, 2013, and posted on the HCHA website on January 14, 2013 and made available to all interested professionals; and

WHEREAS, applications from 9 Architectural and Engineering firms were received; and

WHEREAS, applications were reviewed and evaluated, and Glassman, Shoemake, Maldonado was determined to be the most qualified Architectural \& Engineering firm; and

NOW THEREFORE BE IT RESOLVED, that the Chief Executive Officer of the HCHA, is authorized and directed to negotiate a contract with Glassman, Shoemake, Maldonado for Architectural and Engineering Services related to HCHA's Affordable Housing Development and Construction Program.


## Resolution Regarding Collaboration between Harris County Housing Authority and Houston Housing Authority

WHEREAS, Harris County's largest incorporated city is the City of Houston;
WHEREAS, Harris County and the City of Houston face similar challenges in providing quality, affordable housing option to low-income residents;

WHEREAS, Harris County Housing Authority and Houston Housing Authority have overlapping jurisdictions for housing homeless veterans through HUD's Veteran Affairs Supportive Housing (VASH) program;

WHEREAS, Harris County Housing Authority desires to reduce inefficiencies and redundancies in providing quality, affordable housing options to low-income residents;

NOW THEREFORE BE IT RESOLVED that the Chief Executive Officer of Harris County Housing Authority is authorized and directed to seek future opportunities for collaboration with future affordable housing developments between Harris County Housing Authority and Houston Housing Authority.


Resolution No. 13-07

## Resolution Authorizing the Negotiation and Execution of a Contract for Fee Accounting Services

WHEREAS, the Harris County Housing Authority (HCHA) issued a Small Purchase Request for Proposals (RFP) \# 13-05 on February 7, 2013, soliciting proposals for fee accounting services;

WHEREAS, responses to RFP \#13-05 were due February 18, 2013; and
WHEREAS, HCHA received one responses to RFP \#13-05 from the Cornwell Associates, Accountants Inc.;

WHEREAS, the staff of HCHA reviewed the response to the RFP; and
WHEREAS, HCHA staff found the Cornwell Associates, Accountants' qualifications and proposal complied with the requirements of the RFP;

NOW THEREFORE BE IT RESOLVED, that the Chief Executive Officer of the HCHA, is authorized and directed to negotiate and execute a contract for fee accounting services with The Cornwell Associates, Accountants Inc. for accounting services for a fee not to exceed $\$ 48,190$, and to take such actions as the Chief Executive Officer deems necessary to effectuate the intent of this resolution, the execution of any document or taking of any action to be conclusive evidence of the necessity therefor.


## RESOLUTION NO. 13-09

## RESOLUTION APPROVING AND AUTHORIZING THE HARRIS COUNTY HOUSING AUTHORITY (THE "AUTHORITY") TO APPOINT MANAGERS OF HCHA LOUETTA, LLC (THE "COMPANY"), AND AUTHORIZING THE AUTHORITY AND THE COMPANY TO TAKE SUCH OTHER STEPS AS THE AUTHORITY DEEMS NECESSARY OR CONVENIENT TO CARRY OUT THESE RESOLUTIONS

WHEREAS, the Harris County Housing Authority (the "Authority"), as the sole Member of the HCHA Louetta, LLC (the "Company"), has accepted the resignations of previous Managers of the Company;

WHEREAS, the Authority, as the sole Member of the Company, desires to appoint Tom McCasland and Horace Allison as the Managers of the Company, and these Managers shall be all of the current Managers of, and the only current Managers of, the Company;

NOW, THEREFORE, the Authority hereby adopts the following Resolutions on behalf of itself and on behalf of the Company, at a duly called meeting, and

IT IS HEREBY RESOLVED, that the individuals named below are hereby appointed as the current Managers of the Company:

Tom McCasland, Horace Allison; and it is further

RESOLVED, that each of the Managers named above shall serve in his or her respective capacity until a successor is duly qualified and appointed by the Authority; and it is further

RESOLVED, that these Managers, individually and without the joinder of the other, are empowered to carry out the day-to-day business of the Company, to perform all acts necessary and appropriate to carry out the business of the Company, subject to the direction, control, and purpose of the Authority; and it is further

RESOLVED that the Company and the Authority, as applicable, is each authorized to take such other action in the consummation of these Resolutions to do any and all other acts and things necessary or proper in furtherance of these Resolutions, as the Authority shall deem to be necessary or desirable, and all such acts heretofore taken to such end are hereby expressly ratified and confirmed as the acts and deeds of the Company; and it is further

RESOLVED, that the past lawful actions of the Commissioners related to these Resolutions, taken on behalf of the Authority or the Company, are hereby ratified, approved, and adopted; and it is further

This resolution shall be in full force and effect from and upon its adoption.
PASSED, by the Board of Commissioners this 26th day of March 2013.


# RESOLUTION APPROVING AND AUTHORIZING THE HARRIS COUNTY HOUSING AUTHORITY (THE "AUTHORITY") TO APPOINT MANAGERS OF hCHA OLIVE GROVE, LLC (THE "COMPANY"), AND AUTHORIZING THE AUTHORITY AND THE COMPANY TO TAKE SUCH OTHER STEPS AS THE AUTHORITY DEEMS NECESSARY OR CONVENIENT TO CARRY OUT THESE RESOLUTIONS 

WHEREAS, the Harris County Housing Authority (the "Authority"), as the sole Member of the HCHA Olive Grove, LLC (the "Company"), has accepted the resignations of previous Managers of the Company;

WHEREAS, the Authority, as the sole Member of the Company, desires to appoint Tom McCasland and Horace Allison as the Managers of the Company, and these Managers shall be all of the current Managers of, and the only current Managers of, the Company;

NOW, THEREFORE, the Authority hereby adopts the following Resolutions on behalf of itself and on behalf of the Company, at a duly called meeting, and

IT IS HEREBY RESOLVED, that the individuals named below are hereby appointed as the current Managers of the Company:

Tom McCasland,
Horace Allison;
and it is further

RESOLVED, that each of the Managers named above shall serve in his or her respective capacity until a successor is duly qualified and appointed by the Authority; and it is further

RESOLVED, that these Managers, individually and without the joinder of the other, are empowered to carry out the day-to-day business of the Company, to perform all acts necessary and appropriate to carry out the business of the Company, subject to the direction, control, and purpose of the Authority; and it is further

RESOLVED that the Company and the Authority, as applicable, is each authorized to take such other action in the consummation of these Resolutions to do any and all other acts and things necessary or proper in furtherance of these Resolutions, as the Authority shall deem to be necessary or desirable, and all such acts heretofore taken to such end are hereby expressly ratified and confirmed as the acts and deeds of the Company; and it is further

RESOLVED, that the past lawful actions of the Commissioners related to these Resolutions, taken on behalf of the Authority or the Company, are hereby ratified, approved, and adopted; and it is further

This resolution shall be in full force and effect from and upon its adoption.
PASSED, by the Board of Commissioners this 26th day of March 2013.


RESOLUTION NO. 13-11

## RESOLUTION APPROVING AND AUTHORIZING THE HARRIS COUNTY HOUSING AUTHORITY (THE "AUTHORITY") TO APPOINT MANAGERS OF hCHA WATERSIDE, LLC (THE "COMPANY"), AND AUTHORIZING THE aUthority and the company to take such other steps as the AUTHORITY DEEMS NECESSARY OR CONVENIENT TO CARRY OUT THESE RESOLUTIONS

WHEREAS, the Harris County Housing Authority (the "Authority"), as the sole Member of the HCHA Waterside, LLC (the "Company"), has accepted the resignations of previous Managers of the Company;

WHEREAS, the Authority, as the sole Member of the Company, desires to appoint Tom McCasland and Horace Allison as the Managers of the Company, and these Managers shall be all of the current Managers of, and the only current Managers of, the Company;

NOW, THEREFORE, the Authority hereby adopts the following Resolutions on behalf of itself and on behalf of the Company, at a duly called meeting, AND:

IT IS HEREBY RESOLVED, that the individuals named below are hereby appointed as the current Managers of the Company:

Tom McCasland, Horace Allison;
and it is further

RESOLVED, that each of the Managers named above shall serve in his or her respective capacity until a successor is duly qualified and appointed by the Authority; and it is further

RESOLVED, that these Managers, individually and without the joinder of the other, are empowered to carry out the day-to-day business of the Company, to perform all acts necessary and appropriate to carry out the business of the Company, subject to the direction, control, and purpose of the Authority; and it is further

RESOLVED that the Company and the Authority, as applicable, is each authorized to take such other action in the consummation of these Resolutions to do any and all other acts and things necessary or proper in furtherance of these Resolutions, as the Authority shall deem to be necessary or desirable, and all such acts heretofore taken to such end are hereby expressly ratified and confirmed as the acts and deeds of the Company; and it is further

RESOLVED, that the past lawful actions of the Commissioners related to these Resolutions, taken on behalf of the Authority or the Company, are hereby ratified, approved, and adopted; and it is further

This resolution shall be in full force and effect from and upon its adoption.
PASSED, by the Board of Commissioners this 26th day of March, 2013.


# RESOLUTION APPROVING AND AUTHORIZING THE HARRIS COUNTY HOUSING AUTHORITY (THE "AUTHORITY") TO APPOINT MANAGERS OF HCHA CORNERSTONE, LLC (THE "COMPANY"), AND AUTHORIZING THE AUTHORITY AND THE COMPANY TO TAKE SUCH OTHER STEPS AS THE AUTHORITY DEEMS NECESSARY OR CONVENIENT TO CARRY OUT THESE RESOLUTIONS 

WHEREAS, the Harris County Housing Authority (the "Authority"), as the sole Member of the HCHA Cornerstone, LLC (the "Company"), has accepted the resignations of previous Managers of the Company;

WHEREAS, the Authority, as the sole Member of the Company, desires to appoint Tom McCasland and Horace Allison as the Managers of the Company, and these Managers shall be all of the current Managers of, and the only current Managers of, the Company;

NOW, THEREFORE, the Authority hereby adopts the following Resolutions on behalf of itself and on behalf of the Company, at a duly called meeting, and

IT IS HEREBY RESOLVED, that the individuals named below are hereby appointed as the current Managers of the Company:

Tom McCasland, Horace Allison;
and it is further
RESOLVED, that each of the Managers named above shall serve in his or her respective capacity until a successor is duly qualified and appointed by the Authority; and it is further

RESOLVED, that these Managers, individually and without the joinder of the other, are empowered to carry out the day-to-day business of the Company, to perform all acts necessary and appropriate to carry out the business of the Company, subject to the direction, control, and purpose of the Authority; and it is further

RESOLVED that the Company and the Authority, as applicable, is each authorized to take such other action in the consummation of these Resolutions to do any and all other acts and things necessary or proper in furtherance of these Resolutions, as the Authority shall deem to be necessary or desirable, and all such acts heretofore taken to such end are hereby expressly ratified and confirmed as the acts and deeds of the Company; and it is further

RESOLVED, that the past lawful actions of the Commissioners related to these Resolutions, taken on behalf of the Authority or the Company, are hereby ratified, approved, and adopted; and it is further

This resolution shall be in full force and effect from and upon its adoption.
PASSED, by the Board of Commissioners this 26th day of March 2013.


## RESOLUTION NO. 13-13

## RESOLUTION APPROVING AND AUTHORIZING THE HARRIS COUNTY HOUSING AUTHORITY (THE "AUTHORITY") TO APPOINT MANAGERS OF HCHA BAMMEL, LLC (THE "COMPANY"), AND AUTHORIZING THE AUTHORITY AND THE COMPANY TO TAKE SUCH OTHER STEPS AS THE AUTHORITY DEEMS NECESSARY OR CONVENIENT TO CARRY OUT THESE RESOLUTIONS

Whereas, the Harris County Housing Authority (the "Authority"), as the sole Member of the HCHA Bammel, LLC (the "Company"), has accepted the resignations of previous Managers of the Company;

WHEREAS, the Authority, as the sole Member of the Company, desires to appoint Tom McCasland and Horace Allison as the Managers of the Company, and these Managers shall be all of the current Managers of, and the only current Managers of, the Company;

NOW, THEREFORE, the Authority hereby adopts the following Resolutions on behalf of itself and on behalf of the Company, at a duly called meeting, AND:

IT IS HEREBY RESOLVED, that the individuals named below are hereby appointed as the current Managers of the Company:

Tom McCasland,
Horace Allison;
and it is further

RESOLVED, that each of the Managers named above shall serve in his or her respective capacity until a successor is duly qualified and appointed by the Authority; and it is further

RESOLVED, that these Managers, individually and without the joinder of the other, are empowered to carry out the day-to-day business of the Company, to perform all acts necessary and appropriate to carry out the business of the Company, subject to the direction, control, and purpose of the Authority; and it is further

RESOLVED that the Company and the Authority, as applicable, is each authorized to take such other action in the consummation of these Resolutions to do any and all other acts and things necessary or proper in furtherance of these Resolutions, as the Authority shall deem to be necessary or desirable, and all such acts heretofore taken to such end are hereby expressly ratified and confirmed as the acts and deeds of the Company; and it is further

RESOLVED, that the past lawful actions of the Commissioners related to these Resolutions, taken on behalf of the Authority or the Company, are hereby ratified, approved, and adopted; and it is further

This resolution shall be in full force and effect from and upon its adoption.
PASSED, by the Board of Commissioners this 26th day of March 2013.


## RESOLUTION NO. 13-14

# RESOLUTION APPROVING AND AUTHORIZING THE HARRIS COUNTY HOUSING AUTHORITY (THE "AUTHORITY") TO APPOINT MANAGERS OF HCHA BAYBROOK PARK, LLC (THE "COMPANY"), AND AUTHORIZING THE AUTHORITY AND THE COMPANY TO TAKE SUCH OTHER STEPS AS THE AUTHORITY DEEMS NECESSARY OR CONVENIENT TO CARRY OUT THESE RESOLUTIONS 

WHEREAS, the Harris County Housing Authority (the "Authority"), as the sole Member of the HCHA Baybrook Park, LLC (the "Company"), has accepted the resignations of previous Managers of the Company;

WHEREAS, the Authority, as the sole Member of the Company, desires to appoint Tom McCasland and Horace Allison as the Managers of the Company, and these Managers shall be all of the current Managers of, and the only current Managers of, the Company;

NOW, THEREFORE, the Authority hereby adopts the following Resolutions on behalf of itself and on behalf of the Company, at a duly called meeting, and

IT IS HEREBY RESOLVED, that the individuals named below are hereby appointed as the current Managers of the Company:

Tom McCasland,
Horace Allison;
and it is further

RESOLVED, that each of the Managers named above shall serve in his or her respective capacity until a successor is duly qualified and appointed by the Authority; and it is further

RESOLVED, that these Managers, individually and without the joinder of the other, are empowered to carry out the day-to-day business of the Company, to perform all acts necessary and appropriate to carry out the business of the Company, subject to the direction, control, and purpose of the Authority; and it is further

RESOLVED that the Company and the Authority, as applicable, is each authorized to take such other action in the consummation of these Resolutions to do any and all other acts and things necessary or proper in furtherance of these Resolutions, as the Authority shall deem to be necessary or desirable, and all such acts heretofore taken to such end are hereby expressly ratified and confirmed as the acts and deeds of the Company; and it is further

RESOLVED, that the past lawful actions of the Commissioners related to these Resolutions, taken on behalf of the Authority or the Company, are hereby ratified, approved, and adopted; and it is further

This resolution shall be in full force and effect from and upon its adoption.
PASSED, by the Board of Commissioners this 26th day of March 2013.


## RESOLUTION NO. 13-15

## RESOLUTION APPROVING AND AUTHORIZING THE HARRIS COUNTY HOUSING AUTHORITY (THE "AUTHORITY") TO APPOINT MANAGERS OF HCHA SIERRA MEADOWS, LLC (THE "COMPANY"), AND AUTHORIZING THE AUTHORITY AND THE COMPANY TO TAKE SUCH OTHER STEPS AS THE AUTHORITY DEEMS NECESSARY OR CONVENIENT TO CARRY OUT THESE RESOLUTIONS

WHEREAS, the Harris County Housing Authority (the "Authority"), as the sole Member of the HCHA Sierra Meadows, LLC (the "Company"), has accepted the resignations of previous Managers of the Company;

WHEREAS, the Authority, as the sole Member of the Company, desires to appoint Tom McCasland and Horace Allison as the Managers of the Company, and these Managers shall be all of the current Managers of, and the only current Managers of, the Company;

NOW, THEREFORE, the Authority hereby adopts the following Resolutions on behalf of itself and on behalf of the Company, at a duly called meeting,

IT IS HEREBY RESOLVED, that the individuals named below are hereby appointed as the current Managers of the Company:

Tom McCasland,
Horace Allison;
and it is further

RESOLVED, that each of the Managers named above shall serve in his or her respective capacity until a successor is duly qualified and appointed by the Authority; and it is further

RESOLVED, that these Managers, individually and without the joinder of the other, are empowered to carry out the day-to-day business of the Company, to perform all acts necessary and appropriate to carry out the business of the Company, subject to the direction, control, and purpose of the Authority; and it is further

RESOLVED that the Company and the Authority, as applicable, is each authorized to take such other action in the consummation of these Resolutions to do any and all other acts and things necessary or proper in furtherance of these Resolutions, as the Authority shall deem to be necessary or desirable, and all such acts heretofore taken to such end are hereby expressly ratified and confirmed as the acts and deeds of the Company; and it is further

RESOLVED, that the past lawful actions of the Commissioners related to these Resolutions, taken on behalf of the Authority or the Company, are hereby ratified, approved, and adopted; and it is further

This resolution shall be in full force and effect from and upon its adoption.
PASSED, by the Board of Commissioners this 26th day of March, 2013.


# RESOLUTION APPROVING AND AUTHORIZING THE HARRIS COUNTY HOUSING AUTHORITY (THE "AUTHORITY") TO APPOINT MANAGERS OF HCHA CYPRESSWOOD ESTATES, LLC (THE "COMPANY"), AND AUTHORIZING THE AUTHORITY AND THE COMPANY TO TAKE SUCH OTHER STEPS AS THE AUTHORITY DEEMS NECESSARY OR CONVENIENT TO CARRY OUT THESE RESOLUTIONS 

WHEREAS, the Harris County Housing Authority (the "Authority"), as the sole Member of the HCHA Cypresswood Estates, LLC (the "Company"), has accepted the resignations of previous Managers of the Company;

WHEREAS, the Authority, as the sole Member of the Company, desires to appoint Tom McCasland and Horace Allison as the Managers of the Company, and these Managers shall be all of the current Managers of, and the only current Managers of, the Company;

NOW, THEREFORE, the Authority hereby adopts the following Resolutions on behalf of itself and on behalf of the Company, at a duly called meeting, AND:

IT IS HEREBY RESOLVED, that the individuals named below are hereby appointed as the current Managers of the Company:

Tom McCasland,
Horace Allison;
and it is further

RESOLVED, that each of the Managers named above shall serve in his or her respective capacity until a successor is duly qualified and appointed by the Authority; and it is further

RESOLVED, that these Managers, individually and without the joinder of the other, are empowered to carry out the day-to-day business of the Company, to perform all acts necessary and appropriate to carry out the business of the Company, subject to the direction, control, and purpose of the Authority; and it is further

RESOLVED, that the Company and the Authority, as applicable, is each authorized to take such other action in the consummation of these Resolutions to do any and all other acts and things necessary or proper in furtherance of these Resolutions, as the Authority shall deem to be necessary or desirable, and all such acts heretofore taken to such end are hereby expressly ratified and confirmed as the acts and deeds of the Company; and it is further

RESOLVED, that the past lawful actions of the Commissioners related to these Resolutions, taken on behalf of the Authority or the Company, are hereby ratified, approved, and adopted; and it is further

This resolution shall be in full force and effect from and upon its adoption.
PASSED, by the Board of Commissioners this 26th day of March 2013.


4841-9707-1378, v. 1

## RESOLUTION NO. 13-17

# RESOLUTION APPROVING AND AUTHORIZING THE HARRIS COUNTY HOUSING AUTHORITY (THE "AUTHORITY") TO APPOINT AN EXECUTING OFFICER, AND AUTHORIZING THE AUTHORITY AND THE COMPANY TO TAKE SUCH OTHER STEPS AS THE AUTHORITY DEEMS NECESSARY OR CONVENIENT TO CARRY OUT THESE RESOLUTIONS 

WHEREAS, the Harris County Housing Authority (the "Authority") desires to assign and grant signatory authority to an officer of the Authority;

NOW THEREFORE, the Board of Commissioners of the Harris County Housing Authority hereby authorizes and approves the following:

RESOLVED, that the Authority hereby appoints Thomas McCasland (the "Executing Officer"), the CEO of the Authority, to be the executing officer of the Authority and of any entity that is controlled by the Authority, and authorizes him to execute any documents, instruments, certifications, actions, and correspondence on behalf of the Authority and/or on behalf of any entity that is controlled by the Authority;

RESOLVED FURTHER, that this Resolution and the form resolutions to which it is applicable shall continue in full force and effect until official written notice of the rescission thereof;

RESOLVED FURTHER, that the Executing Officer is authorized to negotiate, execute, and/or approve all other documents necessary to effectuate the foregoing Resolution, all on such terms and containing such provisions as the Executing Officer executing same shall deem appropriate, and the approval of the terms of each such instrument herein described by the Executing Officer shall be conclusively evidenced by his execution and delivery thereof;

RESOLVED FURTHER, that the execution by the Executing Officer of any document or instrument authorized by the foregoing Resolutions or any document or instrument executed in the accomplishment of any action or actions authorized, or the execution of any amendment or modification of any such document or instrument shall be deemed to be conclusive approval thereof by the Authority;

RESOLVED FURTHER, that the Authority take such other steps and actions as the Authority deems necessary or convenient to carry out these Resolutions;

RESOLVED FURTHER, that to the extent any of the actions authorized by this Resolution have already been taken on behalf of the Authority, such actions are hereby ratified and confirmed as the valid actions of the Authority, effective as of the date such actions were taken; and that the past lawful actions of the Commissioners and Officers related to these Resolutions, taken on behalf of the Authority, are hereby ratified, approved, and adopted;

This Resolution shall be in full force and effect from and upon its adoption.
PASSED, by the Board of Commissioners this 26th day of March 2013.


## RESOLUTION ADOPTING A REVISED HCHA ADMINISTRATIVE PLAN

WHEREAS, the Harris County Housing Authority ("HCHA") held a Resident Advisory Board meeting on November 19, 2012; and

WHEREAS, HCHA held a public hearing on the revised HCHA Annual Plan and the revised HCHA Administrative Plan on January 11, 2013; and

WHEREAS, the HCHA Board of Commissioners approved the revised HCHA Annual Plan and the revised HCHA Administrative Plan at the January 23, 2013 meeting of the HCHA Board of Commissioners;

WHEREAS, no significant amendment or substantial deviation or modification has been made to the HCHA Administrative Plan since the dates of the Resident Advisory Board meeting and the Public Hearing;

NOW, THEREFORE BE IT RESOLVED, that HCHA hereby adopts the HCHA Administration Plan attached to this Resolution.

PASSED, by the Board of Commissioners this 26th day of March 2013.


Attachment: HCHA Administrative Plan

## RESOLUTION NO. 13-19

## RESOLUTION ADOPTING THE APPROVED HCHA ANNUAL PLAN

WHEREAS, the Harris County Housing Authority ("HCHA") held a Resident Advisory Board meeting on November 19, 2012; and

WHEREAS, HCHA held a public hearing on the revised HCHA Annual Plan and the revised HCHA Administrative Plan on January 11, 2013; and

WHEREAS, the HCHA Board of Commissioners approved the revised HCHA Annual Plan and the revised HCHA Administrative Plan at the January 23, 2013 meeting of the HCHA Board of Commissioners;

WHEREAS, no changes have been made to the HCHA Annual Plan since the dates of the Resident Advisory Board meeting, the Public Hearing or the January 23, 2013 Board meeting;

NOW, THEREFORE BE IT RESOLVED, that HCHA hereby adopts the HCHA Annual Plan attached to this Resolution.

PASSED, by the Board of Commissioners this 26th day of March 2013.


Attachment: HCHA Annual Plan

## RESOLUTION NO. 13-20

## RESOLUTION ADOPTING A CHECK WRITING POLICY AND ADDING THE CEO AS A SIGNATORY TO HCHA'S CHECKING ACCOUNTS

WHEREAS, the Harris County Housing Authority ("HCHA") desires to establish a check writing policy;

NOW, THEREFORE BE IT RESOLVED, that HCHA hereby adopts the following HCHA check writing policy and authorizes adding the CEO as a signatory to HCHA's checking accounts.

- All checks shall bear two signatures.
- As approved by the Board, only the Chairman and Vice Chairman are authorized commissioners to sign checks.
- One signature must be one of the above noted HCHA Commissioners respectively authorized to sign checks and may be a facsimile signature for checks for any amount under $\$ 10,000$.
- For all HAP payments to landlords and utility allowances to tenants, the second signature must be the other HCHA Commissioner authorized to sign checks and may also be a facsimile signature for checks for any amount under $\$ 10,000$.
- For all other checks under $\$ 10,000$, the second signature must be the manual signature of the CEO or the other HCHA Commissioner authorized to sign checks whose signature is not already on the check.
- For checks for all amounts $\$ 10,000$ or over, each check must have two manual signatures by the two HCHA Commissioners authorized to sign checks. This requirement does not include the following three monthly checks:
- A check for monthly office rent for an amount approved by the Board of Commissioners.
- A check for monthly health insurance payments that does not exceed the annual budget approved by the Board of Commissioners.
- A check for monthly payments to the Texas County \& District Retirement System for an amount that does not exceed the required employer contribution rate for the current plan year as approved by the Board of Commissioners.
For these specifically listed monthly checks, the second signature must be the manual signature of the CEO or the other HCHA Commissioner authorized to sign checks whose signature is not already on the check.
- The CEO may not allow any HCHA banking institution to use his or her facsimile signature.

PASSED, by the Board of Commissioners this 26th day of March 2013.

Chairman:


## RESOLUTION NO. 13-21

## RESOLUTION APPROVING THE HARRIS COUNTY HOUSING AUTHORITY INVESTMENT POLICY AND APPOINTING AN INVESTMENT OFFICER

WHEREAS, the Harris County Housing Authority ("HCHA") is subject to the Public Funds Investment Act (Texas Government Code, Chapter 2256, Subchapter A); and

WHEREAS, HCHA's proposed Investment Policy authorizes the HCHA Board of Commissioners to delegate investment authority to one or more officers or employees as the HCHA Investment Officer;

NOW, THEREFORE BE IT RESOLVED, that HCHA hereby adopts the attached Investment Policy for its Fiscal Year 2014, and

IT IS FURTHER RESOLVED, that HCHA designates Julie Guyton of Amegy Bank as its duly authorized Investment Officer with all powers and responsibilities described in the attached Investment Policy.

PASSED, by the Board of Commissioners this 26th day of March 2013.


Attachment: Investment Policy

Effective: March 26, 2013
Last Revised: March 26, 2013

## POLICY AND PROCEDURE FOR INVESTMENTS

All investments made by the Harris County Housing Authority (HCHA) shall comply with the Public Funds Investment Act (Texas Government Code, Chapter 2256, Subchapter A) and all federal, state and local statutes, rules or regulations. Gov't Code 2256.056. The specific requirements for the investment of HUD funds are found in 24 CFR Part 85 Subpart C, the Annual Contribution Contract (ACC), the General Depository Agreement (FORM HUD-51999) and HUD Notice 96-33 as extended.

## Policy Statement

It is the policy of the Harris County Housing Authority (HCHA) to manage its cash flow in order to optimize the use of funds. This will be accomplished by the appropriate planning of receipts and disbursements to assure the availability of funds to meet current expenditures and to maximize the yield from the investment of temporarily surplus funds. As a rule, the average amount on deposit in the cash account will be the amount needed on hand for transaction purposes or as a safeguard against cash shortages and any excess will be invested. In the interest of good cash management, non-interest bearing deposits will be reduced to the amount necessary to maintain a good banking relationship.

Investments shall be made in a manner that emphasizes the safety and liquidity of the principal invested and conforms to all applicable state and federal statutes governing the investment of public funds.

In order to comply with local laws and the Texas Public Funds Investment Act HCHA will strive to obtain a market rate of return on all invested funds that is consistent with the type of investment selected.

Investment earnings will be used in a manner that best serves the public trust, the interests of HCHA and complies with all applicable state and federal statues governing the use of program income.

## Written Policies

Investments shall be made in accordance with written policies approved by the Board. The investment policies must primarily emphasize safety of principal and liquidity and must address investment diversification, yield and maturity and the quality and capability of investment management. The policies must include:

A list of the types of authorized investments in which the Board's funds may be invested;
a. maximum allowable stated maturity of any individual investment owned by the Board;
b. For pooled fund groups, the maximum dollar-weighted average maturity allowed based on the stated maturity date of the portfolio;

## HARRIS GOUVTY HOUSING AUTHORITY ILUESTMENT POLIGY

c. Methods to monitor the market price of investments acquired with public funds; and
d. A requirement for settlement of all transactions, except investment pool funds and mutual funds, on a delivery versus payment basis.

## Investment Strategies

As part of the investment policy, the Board shall adopt a separate written investment strategy for each of the funds or group of funds under the Board's control. Each investment strategy must describe the investment objectives for the particular fund under the following priorities in order of importance:
a. Understanding the suitability of the investment to the financial requirements of the Board.
b. Preservation and safety of principal;
c. Liquidity;
d. Marketability of the investment if the investment needs to be liquidated before maturity;
e. Diversification of the investment portfolio; and
f. Yield Gov't Code 2256.005

## Delegation of Investment Authority

Investment Officer - The Board shall designate one or more officers or employees as investment officer(s) to be responsible for the investment of its funds. If the Board has contracted with another investing entity to invest its funds, the investment officer of the other investing entity is considered to be the investment officer of the contracting Board's Board. In the administration of the duties of an investment officer, the person designated as investment officer shall exercise the judgment and care, under prevailing circumstances that a person of prudence would exercise in the management of the person's own affairs, but the Board retains the ultimate responsibility as fiduciaries of the assets of the Board. Unless authorized by law, a person may not deposit, withdraw, transfer or manage in any other manner the funds of the investing entity. Authority granted to a person to invest an entity's funds is effective until rescinded by the Board or until termination of the person's employment by the Board. Gov't Code 2256.005(f)

## Investment Training

Initial - the treasurer or chief financial officer and the investment officer of the Board shall attend at least one training session from an independent source approved either by the board or by a designated investment committee advising the investment officer, as provided for in the Board's investment policy. This initial training must contain at least ten hours of instruction relating to their respective responsibilities under the Public Funds Investment Act.

Within a two-year period the treasurer or chief financial officer and the investment officer must also attend an investment training session not less than once in a two-year period and receive not less than ten hours of instruction relating to investment

## HARRIS COUNTY HOUSINGAUTHORITY INVESTMENT POLIGY

responsibilities under the Public Funds Investment Act from an independent source approved by the Board or a designated investment committee advising the investment officer, as provided for in the Board's investment policy. A Board that has contracted with another investing entity to invest the Board's funds may satisfy this training requirement by having a Board officer attend four hours of appropriate instruction in a two-year period.

Investment training shall include education in investment controls, security risks, strategy risks, market risks, diversification of investment portfolio, and compliance with the Government Code 2256. Gov't Code 2256.008.

## Standard of Care

Investments shall be made with judgment and care, under prevailing circumstances that a person of prudence, discretion and intelligence would exercise in the management of his or her own affairs, not for speculation, but for investment, considering the probable safety of capital and the probable income to be derived. Investments shall be governed by the following objectives in order of priority:
a. Preservation and safety of principal;
b. Liquidity; and
c. Yield

In determining whether an investment officer has exercised prudence with respect to an investment decision, the following shall be taken into consideration:
a. The investment of all funds, rather than the prudence of a single investment, over which the officer had responsibility.
b. Whether the investment decision was consistent with the Board's written investment policy. Gov't Code 2256.006

The Investment Officer and those delegated investment authority under this policy, when acting in accordance with the written procedures and this policy and in accord with the Prudent Person Standard, shall be relieved of personal responsibility and liability in the management of the portfolio provided that deviations from expectations for the specific security's credit risk or market price change or portfolio shifts are reported in a timely manner and that appropriate action is taken to control adverse market effects.

## Internal Controls

The Investment Officer shall establish a system of internal controls to assist in controlling investments and preventing loss or misuse. The controls established shall ensure the following:
a. Investment transactions are authorized by HCHA's Board of Directors and documented in the board minutes.
b. Investment documents are kept in a safe fire-resistant locked file cabinet, safe deposit box, or held by an agent.

## HARRIS GOUVTY HOUSING AUTHORITY ILUESTMENT POLIGY

c. The Investment Officer shall not also be responsible for maintaining the accounting records of investments.
d. Investments will be maintained in a custodian or trust account.
e. Investments will be in the name of HCHA.
f. Investments will be recorded in detail in an investment ledger.
g. Interest earned is collected and credited to the appropriate accounting records.
h. Investments are reconciled periodically to the investment ledger.

A system of cash forecasting is established to ensure that cash needs are adequately planned for and that excess cash balances are invested for periods that maximize returns. HUD Notice 96-33.

## Personal Interest

A Board investment officer who has a personal business relationship with a business organization offering to engage in an investment transaction with the Board shall file a statement disclosing that personal business interest. An investment officer who is related within the second degree by affinity or consanguinity, as determined by Government Code Chapter 573, to an individual seeking to sell an investment to the Board shall file a statement disclosing that relationship with the Board and with the Texas Ethics Commission. For purposes of this policy, an investment officer has a personal business relationship with a business organization if:
a. The investment officer owns ten percent or more of the voting stock or shares of the business organization or owns $\$ 5,000$ or more of the fair market value of the business organization;
b. Funds received by the investment officer from the business organization exceed ten percent of the investment officer's gross income for the previous year; or
c. The investment officer has acquired from the business organization during the previous year investments with a book value of $\$ 2,500$ or more for the personal account of the investment officer. Gov't Code 2256.005

## Quarterly Reports

The investment officer shall prepare and submit to the Board a written report of investment transactions for all funds covered by the Public Funds Investment Act. This report shall be presented to the Board not less than quarterly, within a reasonable time after the end of the period. The report must:
a. Contain a detailed description of the investment position of the Board on the date of the report.
b. Be prepared jointly and signed by all Board investment officers.
c. Contain a summary statement for each pooled fund group (i.e., each internally created fund in which one or more accounts are combined for investing purposes). The report must be prepared in compliance with generally accepted accounting principles and must state:
i. Beginning market value for the reporting period.
ii. Additions and changes to the market value during the period.
iii. Ending market value for the period.
iv. Fully accrued interest for the reporting period.
d. State the book value and market value of each separately invested asset at the beginning and end of the reporting period by the type of asset and fund type invested.
e. State the maturity date of each separately invested asset that has a maturity date.
f. State the account or fund or pooled group fund in the Board for which each individual investment was acquired.
g. State the compliance of the investment portfolio of the Board as it relates to the Board's investment strategy expressed in the Board's investment policy and relevant provisions of law.

If the Board invests in other than money market mutual funds, investment pools or accounts offered by its depository bank in the form of certificates of deposit, or money market accounts or similar accounts, the reports shall be formally reviewed at least annually by an independent auditor, and the result of the review shall be reported to the Board by that auditor. Gov't Code 2256.023.

## Authorized Investments

The Board may purchase, sell and invest its funds and funds under its control in investments described below, in compliance with its adopted investment policies and according to the standard of care set out in this policy. Investments may be made directly by the Board or by a nonprofit corporation acting on behalf of the Board or investment pool acting on behalf of two or more local governments, state agencies, or a combination of the two. Gov't. Code 2256.003.

Acceptable investment under this policy shall be limited to HUD approved investments and or those approved under the Public Funds Investment Act, Texas Government Code. In cases where there are discrepancies between HUD authorized investments and those of the State of Texas, the more restrictive of the two shall prevail.

Examples of acceptable investment instruments include the following:
a. Direct obligations of the Federal Government, which are backed by the full faith, and credit of the United States. These include U.S. Treasury bills, notes and bonds.
b. Obligations of federal government agencies. These include issuances by the Federal Financing Bank (FFB), Government National Mortgage Association (GNMA), Maritime Administration Merchant Marine Bonds, Notes, and Obligations, Small Business Administration (SBA), and the Tennessee Valley Authority (TVA).
c. Securities of federal government sponsored agencies. These include issuances by the Farm Credit Consolidated System, Federal Farm Credit Banks, Federal Home Loan Banks, FHLMC Mortgage Obligations, and Student Loan Marketing Association.

## HARAIS GOUVTY HOUSING AUTHORIITY ILUESTMENT POLIGY

d. Demand and savings deposits at commercial banks, mutual savings banks, savings and loan associations and credit unions if deposits are insured by either the Federal Deposit Insurance Corporations (FDIC) or the National Credit Union Share Insurance Fund (NCUSIF). A deposit in excess of the insurance coverage may be made at a depository institution provided that it is 100 percent collateralized by any of the securities issued by the federal government. Care will be taken to ensure that withdrawals may be made on demand without loss of interest and without penalty.
e. Municipal depository fund or local government investment pool established by the State of Texas or other State chartered municipality as long as the securities purchased:
i. The fund invests only in HUD approved investment securities when HUD funds are involved.
ii. HCHA has either an undivided or divided interest in the securities comprising the fund.
iii. The fund is under the control of the Investment Company Act of 1940.
iv. The investment objectives of the fund are to obtain as much income as possible consistent with the preservation and conservation of capital.
v. The fund discloses clearly the basis of earnings and how they are distributed.
vi. The fund provides a statement of potential risk and a clear demonstration that withdrawals from the fund will not be so restricted as to impair HCHA's day-to-day cash management.

Money market deposit accounts not to exceed 30 percent of invested funds at depository institutions that may not be insured fully by the FDIC or NCUSIF provided that the certificates are fully backed by 100 percent collateral consisting of securities back by the federal government and when amounts exceed the $\$ 250,000$ insurance limitation, HCHA has control of the underlying collateral which is clearly identified (not pooled) U.S. Government securities.
a. Super NOW accounts as long as they meet the insurance and collateral requirements as stated in (vi.) above.
b. Certificates of deposit if issued by institutions that are insured by an agency of the federal government and when federal funds are involved the financial institution executes Form HUD-51999, General Depository Agreement. Certificates can exceed the $\$ 250,000$ federal insurance limitation provided that the excess is 100 percent collateralized by clearly identified (not pooled) U.S. Government securities.
i. Repurchase agreements for a term not to exceed 30 days when issued by federally insured depositories for securities issued by the U.S.
Government and provided that the seller meets the additional requirements of HUD Notice PIH 96-33 as extended.
ii. Sweep accounts provided that the agreements include all the requirements applicable to any of the above.

The following are not authorized investments:
a. An obligation whose payment represents the coupon payments on the outstanding principal balance of the underlying mortgage-backed security collateral and pays no principal.
b. Obligations whose payment represents the principal stream of cash flow from the underlying mortgage-backed security collateral and bears no interest.
c. Collateralized mortgage obligations that have a stated final maturity date of greater than ten years.
d. Collateralized mortgage obligations the interest rate of which is determined by an index that adjusts opposite to the changes in a market index. HUD Notice 96-33.

## Change in Law

A Board is not required to liquidate investments that were authorized investments at the time of purchase. Gov't Code 2256.017.

## Sellers of Investments

A written copy of the investment policy shall be presented to any person offering to engage in an investment transaction with an investing entity or to an investment management firm under contract with an investing entity to invest or manage the entity's investment portfolio. For purposes of this policy, a business organization includes investment pools and an investment management firm under contract with an investing entity to invest or manage the entity's investment portfolio. The qualified representative of the business organization offering to engage in an investment transaction with the Board shall execute a written instrument in a form acceptable to the Board and the business organization substantially to the effect that the business organization has:
a. Received and thoroughly reviewed the Board investment policy; and
b. Agrees to the terms and types of allowable investments contained herein. Gov't Code 2256.005.003 k and HUD Notice 96-33.

## Annual Review and Audit

The investment policy and the investment strategy shall be reviewed not less than annually. The board shall adopt a written instrument stating that it has reviewed the investment policy and investment strategies and the written instrument so adopted shall record any changes made to either the investment policy or investment strategies.

The Board shall request an independent compliance audit of management controls on investments and adherence to the Board's established investment policies. The compliance audit shall be performed in conjunction with the annual financial audit.

## RESOLUTION NO. 13-22

# RESOLUTION TO ELECT THE OFFICERS OF HARRIS COUNTY HOUSING AUTHORITY PUBLIC FACILITY CORPORATION (THE "CORPORATION") AND AUTHORIZE THE OFFICERS TO PERFORM ALL ACTS NECESSARY AND APPROPRIATE TO CARRY OUT THE BUSINESS OF THE CORPORATION 

WHEREAS, at a meeting of the Board of Directors of Harris County Housing Authority Public Facility Corporation (the "Corporation"), the Corporation undertakes the following actions:

NOW, THEREFORE, the Board of Directors of the Corporation hereby adopt the following resolutions at a duly-called meeting of the Corporation:

RESOLVED, that the individuals named below are hereby appointed as the current Officers of the Corporation:

President - Beto Cardenas<br>Vice President - Kerry Wright<br>Secretary - Tom McCasland

RESOLVED FURTHER, that each Officer above may enter into contracts or execute and deliver instruments on behalf of the Corporation;

RESOLVED FURTHER, that the each of the officers named above shall serve in his or her respective capacity until (a) a successor is duly qualified and appointed by the Board of Directors of the Corporation; or (b) such individual no longer serves as a Commissioner of the Board of the Harris County Housing Authority (the "Authority"), a staff member of the Authority, or an Officer of the Authority, in which case his or her office shall be vacated until a successor is duly qualified, appointed and approved.

RESOLVED FURTHER, that these Officers are empowered to carry out the day-to-day business of the Corporation, to perform all acts necessary and appropriate to carry out the business of the Corporation, subject to the direction and control of the Directors;

RESOLVED FURTHER, that all acts, transactions, agreements, or actions undertaken by any of the Officers, Directors, and/or representatives of this Corporation, prior to this date, in connection with the foregoing matters, the formation of the Corporation, and all matters resolved in all previous resolutions of the Corporation, are hereby ratified and confirmed as the valid actions of the Corporation, effective as of the date such actions were taken;

RESOLVED FURTHER, that all resolutions, consents, certificates, agreements, and actions undertaken prior hereto by any of the Officers and/or Directors of this Corporation, are
hereby ratified and confirmed as the valid actions of the Corporation, effective as of the date such actions were taken; and

RESOLVED FURTHER, that the Officers and Directors of the Corporation be, and they hereby are, authorized to do any and all acts and things and to execute any and all agreements, consents, certificates, and documents as in their opinion, or in the opinion of counsel to the Corporation, may be necessary or appropriate in order to carry out the purposes and intent of any of the foregoing resolutions.

PASSED, by the Board of Directors of the Corporation this 26th day of March 2013.


## RESOLUTION NO. 13-23

## RESOLUTION SIGNATORY AUTHORITY FOR HARRIS COUNTY HOUSING AUTHORITY PUBLIC FACILITY CORPORATION (THE "CORPORATION") TO OPEN AND MAINTAIN BANK ACCOUNTS AND AUTHORIZE THE AUTHORIZED OFFICERS TO PERFORM ALL ACTS NECESSARY AND APPROPRIATE TO CARRY OUT THE BUSINESS OF THE CORPORATION

WHEREAS, at a meeting of the Board of Directors of Harris County Housing Authority Public Facility Corporation (the "Corporation"), the Corporation undertakes the following actions:

NOW, THEREFORE, the Board of Directors of the Corporation hereby adopt the following resolutions at a duly-called meeting of the Corporation:

RESOLVED, that the Corporation is authorized and directed to open and maintain an account in any state or national banking institution (the "Bank") that the Corporation may select, as may be required to establish whatever checking accounts and borrowing accounts the Corporation shall deem necessary and appropriate for and on behalf of itself and/or for and on behalf of any entity affiliated with the Corporation that is controlled by the Harris County Housing Authority or by the Corporation;

RESOLVED FURTHER, that the Corporation hereby is authorized to certify to the Bank that these Resolutions have been duly adopted and to verify to the Bank the names and specimen signatures of the Corporation authorized hereby to sign, and if and when any new authorized persons are elected, to verify the fact of the change and the name and specimen signature of the Corporation;

RESOLVED FURTHER, that this resolution and the form resolutions to which it is applicable shall continue in full force and effect until official written notice of the rescission thereof by the Corporation has been given to the Bank;

RESOLVED FURTHER, that (a) the Secretary, Thomas McCasland, and (b), Joseph Ellis (each (a) and (b) an "Authorized Officer"), in accordance with the Bylaws of the Corporation, is each individually authorized to sign checks, drafts, and other instruments drawn on the bank accounts of the Corporation at the Bank;

RESOLVED FURTHER, that these Authorized Officers are empowered to carry out the day-to-day business of the Corporation, to perform all acts necessary and appropriate to carry out the business of the Corporation and purposes of these Resolutions, subject to the direction and control of the Directors; and

RESOLVED FURTHER, that the Authorized Officers and Directors of the Corporation be, and they hereby are, authorized to do any and all acts and things and to execute any and all
agreements, consents, certificates, and documents as in their opinion, or in the opinion of counsel to the Corporation, may be necessary or appropriate in order to carry out the purposes and intent of any of the foregoing resolutions.

PASSED, by the Board of Directors of the Corporation this 26th day of March 2013.


4833-9355-7267, v. 1

## RESOLUTION NO. 13-24

# RESOLUTION AUTHORIZING THE AWARD OF CONTRACT FOR PHASE 1 ENVIRONMENTAL ASSESSMENT SERVICES FOR VARIOUS PROJECTS UNDER THE AFFORDABLE HOUSING DEVELOPMENT PROGRAM 

WHEREAS, Harris County Housing Authority issued a Request for Qualifications (RFQ No. 13-04) for Phase 1 Environmental Assessment Services for HCHA's Affordable Housing Development program; and

WHEREAS, the RFQ was advertised in the local newspaper, posted on HCHA's website and made available to all interested professionals; and

WHEREAS, HCHA received five (5) proposals from the following Consulting Firms: InControl Technologies, Inc. Crouch Environmental Services, Inc. ERC Environmental \& Construction Services, Inc. Partner Engineering \& Science

Kenall, Inc.
WHEREAS, the proposals were reviewed and evaluated by staff, and Partner Engineering \& Science was determined to be the most responsive, responsible and qualified Consulting Firm; and

WHEREAS, HCHA requires the immediate and initial need of an Environmental Assessment firm to undertake the design of developments to be funded utilizing funds from the General Land Office; and

WHEREAS, Partner Engineering \& Science has submitted a fee proposal, when averaged is in the amount of $\$ \mathbf{1 8 6 2 . 0 0}$ (one thousand eight hundred sixty two dollars) exclusive any sampling and testing that maybe required environmental hazards are identified; and

WHEREAS, the cost of sampling and testing if required will be negotiated with Partner Engineering \& Science on a project by project basis dependent upon the quantity agreed to.

NOW, THEREFORE, BE IT RESOLVED by the Board of Commissioners of the Harris County Housing Authority that the Chief Executive Officer is hereby authorized to negotiate and execute a contract with Partner Engineering \& Science for Phase 1 Environmental Services for various projects associated with the HCHA Affordable Housing Development Program.

This resolution shall be in full force and effect from and upon its adoption.
PASSED, by the Board of Commissioners this 22nd day of April 2013.


# RESOLUTION AUTHORIZING THE AWARD OF CONTRACT FOR ARCHITECTURAL AND ENGINEERING SERVICES FOR THE DESIGN OF A PERMANENT SOCIAL SUPPORTIVE AFFORDABLE HOUSING DEVELOPMENT 

WHEREAS, Harris County Housing Authority issued a Request for Qualifications (RFQ No. 13-01) for Architectural and Engineering Services for HCHA's Affordable Housing Development program; and

WHEREAS, the proposals were reviewed and evaluated by staff, and Glassman Shoemake Maldonado Architects, Inc was determined to be the most responsive, responsible and qualified Architectural \& Engineering firm; and

WHEREAS, HCHA requires the immediate and initial need of an Architectural and Engineering firm to undertake the design of developments to be funded utilizing funds from the General Land Office; and

WHEREAS, the Board of Commissioners of the Harris County Housing Authority authorized the Chief Executive Officer to negotiate and execute a contract with Glassman Shoemake Maldonado Architects, Inc. for the Architectural and Engineering Services for various projects associated with the HCHA Affordable Housing Development Program; and

WHEREAS, HCHA is in need of schematic architectural design presentation type drawings for a proposed 40-50 unit Permanent Social Supportive Development; and

WHEREAS, GSMA has agreed to prepare the architectural design presentation drawings for a fee in the amount of $\$ 4500.00$; and

WHEREAS, staff has reviewed GSMA's fee proposal and determined it to be acceptable.
NOW, THEREFORE, BE IT RESOLVED by the Board of Commissioners of the Harris County Housing Authority that the Chief Executive Officer is hereby authorized to negotiate and execute a contract with Glassman Shoemake Maldonado Architects for schematic architectural design presentation drawing services for a Permanent Social Supportive Housing Development in the amount of \$4500.00.

This resolution shall be in full force and effect from and upon its adoption.
PASSED, by the Board of Commissioners this 22nd day of April 2013.


## RESOLUTION AUTHORIZING THE TRANSFER OF FUNDS TO COVER MONTHLY AFFORDABLE HOUSING EXPENSES

WHEREAS, Harris County Housing Authority (HCHA) maintains a separate checking account for affordable housing activities; and

WHEREAS, some monthly affordable housing expenses are incurred jointly with HCHA's other lines of business; and

WHEREAS, the attached expenses and descriptions were incurred for affordable housing activities within HCHA's main checking account for the following months and amounts:

November 2012: \$27,040.83
December 2012: \$31,614.34
January 2013: \$38,347.24
February 2013: \$31,416.81
March 2013: \$29,750.25
NOW, THEREFORE, BE IT RESOLVED by the Board of Commissioners of the Harris County Housing Authority that the Chief Executive Officer is hereby authorized to transfer $\$ 158,169.47$ to the main HCHA checking account to cover the above cited affordable housing expenditures.

This resolution shall be in full force and effect from and upon its adoption.
PASSED, by the Board of Commissioners this 22nd day of April 2013.


Attachments: Detailed expenditures for Nov. 2012 to March 2013 affordable housing expenses.

# Harris County Housing Authority <br> Affordable Housing Expenses <br> From 11/1/2012 Through 11/30/2012 

## Effective Date

Description
Destin

### 329.06

923.81
24.75
395.13

1,692.36
6,672.34
147.70
264.00 Harris County Federal Credit Union
205.21 Mail Services of Houston, Inc

1,367.85 Texas County \& District Retirement System
1,967.62 Texas County \& District Retirement System
226.10 AT\&T Mobility
348.75 Toadfly Technologies
33.28 Unum Life Insurance Company of America
363.23

1,655.24
6,648.51
1,957.30 Blue Cross Blue Shield of Texas
62.44 United Healthcare
264.00 Harris County Federal Credit Union
(5.00) Secretary of State
163.55 Guardian Life Insurance Company of
734.60 Houston Chronicle
99.00 Toadfly Technologies

Global Services LLC
Houston Business Exchange I Ltd
Houston Business Exchange I Ltd

11/28/2012 Filing Fee:Change Registered Agent for HCHA Hsg
11/30/2012 Guardian Dental/Life Insurance - December 2012
11/30/2012 RFP:Firms for Bond Counsel Sves associated w/AH11/4-
11/30/2012 Web Maintenance \& Website Updates Oct thru Nov 2012
11/30/2012 Rcls Payroll Cash from G/L 11117 to G/L 11114

11/20/2012 SS, Med, FU, and SU Taxes Employer - 11-21-12
11/20/2012 FIT, SS, and Med Taxes Employee - 11-21-12
11/20/2012 Reclass Payroll from G/L 11117 to G/L 11114
11/21/2012 BCBS Group Health Insurance - December 2012
11/21/2012 United Healthcare - Vision \& STD 12/01-12/31/2012
11/21/2012 HCFCU - Payroll Deduction - 11/21/2012

## 11/2/2012 Global Sharp Rent 11/01/12 thru 11/30/12

1122012 Oftce Rev @ HCHA 8933 Itran - Nover 2012
ber 2012

11/7/2012 FIT, SS, and Med Taxes Employee - 11-08-12
11/7/2012 Reclass Payroll from G/L 11117 to G/L 11114
Gasoline Expense for October 2012
HCFCU - Payroll Deduction - 11/08/2012
ober 2012

11/16/2012 Mobile Monthly charge from 11/02/12-12/01/12
11/16/2012 Web Maintenance \& Website Updates Oct 2012

Amount
Name

## Harris County Housing Authority <br> Affordable Housing Expenses <br> From 12/01/2012 Through 12/31/2012

## Effective Date

Description

Amount
Name

| $12 / 5 / 2012$ | SS, Med, FU, and SU Taxes Employer - 12-06-12 | 359.33 |  |
| ---: | :--- | ---: | :--- |
| $12 / 5 / 2012$ | FIT, SS, and Med Taxes Employee - 12-06-12 | $1,640.50$ |  |
| $12 / 5 / 2012$ | Reclass Payroll from G/L 11117 to G/L 11114 | $6,615.84$ |  |
| $12 / 7 / 2012$ | Gasoline Expense for November 2012 | 69.59 | FUELMAN |
| $12 / 7 / 2012$ | Global Sharp Rent 12/01/12 thru 12/31/12 | 329.06 | Global Services LLC |
| $12 / 7 / 2012$ | Office Rent @ HCHA 8933 Interchange - December 2012 | 923.81 | SL Interchange, LP |
| $12 / 7 / 2012$ | Water Utility @ HCHA 8933 Interchange - December 2012 | 24.75 | SL Interchange, LP |
| $12 / 7 / 2012$ | HCFCU - Payroll Deduction - 12/06/2012 | 264.00 | Harris County Federal Credit Union |
| $12 / 14 / 2012$ | Starta Service Fees for November 2012 | 792.00 | Starta Development Inc |
| $12 / 14 / 2012$ | Starta Service Fees for December 2012 | 792.00 | Starta Development Inc |
| $12 / 17 / 2012$ | TCDRS - EE Contributions - November 2012 | $1,374.50$ | Texas County \& District Retirement System |
| $12 / 17 / 2012$ | TCDRS - ER Contributions - November 2012 | $1,977.22$ | Texas County \& District Retirement System |
| $12 / 19 / 2012$ | SS, Med, FU, and SU Taxes Employer - 12-20-12 | 369.28 |  |
| $12 / 19 / 2012$ | FIT, SS, and Med Taxes Employee - 12-20-12 | $1,678.10$ |  |
| $12 / 19 / 2012$ | Reclass Payroll from G/L 11117 to G/L 11114 | $6,699.26$ |  |
| $12 / 21 / 2012$ | Mobile Monthly Charge from 12/02/12 thru 01/01/13 | 226.10 | AT\&T Mobility |
| $12 / 21 / 2012$ | Svcs thru 11/30/12 RE:Planning \& Preliminiary for Audit | $4,375.00$ | CliftonLarsonAllen LLP |
| $12 / 21 / 2012$ | Global Copy Charges 10/12/12 thru 11/11/12 | 4.12 | Global Services |
| $12 / 21 / 2012$ | Unum LTD Benefits Coverage: Jan 1 - Jan 31, 2013 | 33.28 | Unum Life Insurance Company of America |
| $12 / 21 / 2012$ | HCFCU - Payroll Deduction - 12/20/2012 | 264.00 | Harris County Federal Credit Union |
| $12 / 28 / 2012$ | BCBS Group Health Insurance - January 2013 | $1,957.30$ | Blue Cross Blue Shield of Texas |
| $12 / 28 / 2012$ | Guardian Dental/Life Insurance - January 2013 | 163.55 | Guardian Life Insurance Company of |
| $12 / 28 / 2012$ | United Healthcare - Vision \& STD 01/01/13 thru 01/31/13 | 62.44 | United Healthcare |
| $12 / 28 / 2012$ | Postage - November 2012 | 119.31 | Mail Services of Houston, Inc |
| $12 / 31 / 2012$ | Rcls Payroll Cash from G/L 11117 to G/L 11114 | 500.00 |  |

# Harris County Housing Authority <br> Affordable Housing Expenses <br> From 01/01/2013 Through 01/31/2013 

| Effective Date | Description | Amount | Name |
| :---: | :---: | :---: | :---: |
| 1/2/2013 | SS, Med, FU, and SU Taxes Employer - 01-03-13 | 1,076.91 |  |
| 1/2/2013 | FIT, SS, and Med Taxes Employee - 01-03-13 | 2,110.77 |  |
| 1/2/2013 | Reclass Payroll from G/L 11117 to G/L 11114 | 6,155.85 |  |
| 1/4/2013 | Global Sharp Rent 01/01/13 thru 01/31/13 | 329.06 | Global Services LLC |
| 1/4/2013 | Office Rent @ 8933 Interchange - January 2013 | 923.81 | SL Interchange, LP |
| 1/4/2013 | Water Utility @ 8933 Interchange - January 2013 | 24.75 | SL Interchange, LP |
| 1/4/2013 | Office Supplies: Deposit Stamp for AHD account | 26.50 | Staples Advantage |
| 1/4/2013 | HCFCU - Payroll Deduction - 01/03/2013 | 264.00 | Harris County Federal Credit Union |
| 1/11/2013 | Gasoline Expense for December 2012 | 30.71 | FUELMAN |
| 1/15/2013 | TCDRS - EE Contributions - December 2012 | 1,371.89 | Texas County \& District Retirement System |
| 1/15/2013 | TCDRS - ER Contributions - December 2012 | 1,973.49 | Texas County \& District Retirement System |
| 1/16/2013 | SS, Med, FU, and SU Taxes Employer - 01-17-13 | 979.47 |  |
| 1/16/2013 | FIT, SS, and Med Taxes Employee - 01-17-13 | 2,104.45 |  |
| 1/16/2013 | Reclass Payroll from G/L 11117 to G/L 11114 | 6,279.33 |  |
| 1/18/2013 | Mobile Monthly Charge from 12/05/12 thru 01/04/13(HCV \& | 87.28 | AT\&T Mobility |
| 1/18/2013 | RFP for firm to provide Legal Consulting svc, run12/20\&30/12 | 550.94 | Houston Chronicle |
| 1/18/2013 | Unum LTD Benefits Coverage: Feb 1 thru Feb 28, 2013 | 33.28 | Unum Life Insurance Company of America |
| 1/18/2013 | Winstead Legal Svcs - Svcs thru Dec. 31, 2012 | 400.00 | Winstead PC |
| 1/18/2013 | HCFCU - Payroll Deduction - 01/17/2013 | 264.00 | Harris County Federal Credit Union |
| 1/25/2013 | BCBS Group Health Insurance - February 2013 | 1,957.30 | Blue Cross Blue Shield of Texas |
| 1/25/2013 | RFP for Prof. firm to provide A\&E svcs,run 01/13/13\&01/20/13 | 654.80 | Houston Chronicle |
| 1/25/2013 | United Healthcare - Vision \& STD 02/01/13 thru 02/28/13 | 62.44 | United Healthcare |
| 1/25/2013 | Guardian Dental/Life Insurance - February 2013 | 163.55 | Guardian Life Insurance Company of |
| 1/30/2013 | SS, Med, FU, and SU Taxes Employer - 01-31-13 | 842.54 |  |
| 1/30/2013 | FIT, SS, and Med Taxes Employee - 01-31-13 | 2,214.50 |  |
| 1/30/2013 | Reclass Payroll from G/L 11117 to G/L 11114 | 6,965.62 |  |
| 1/31/2013 | Rcls Payroll Cash from G/L 11117 to G/L 11114 | 500.00 |  |

38,347.24

# Harris County Housing Authority <br> Affordable Housing Expenses <br> From 02/01/2013 Through 02/28/2013 

| $\begin{array}{\|c} \text { Effective } \\ \text { Date } \end{array}$ | Description | Amount | Name |
| :---: | :---: | :---: | :---: |
| 2/1/2013 | Svcs thru 12/31/12RE:Audit for the Financial Statements FY12 | 800.00 | CliftonLarsonAllen LLP |
| 2/1/2013 | Global Sharp Rent 02/01/13 thru 02/28/13 | 329.06 | Global Services LLC |
| 2/1/2013 | Toyota Svcs - VIN\#5TDZK23C78S181061 (08 Sienna) | 199.58 | MIKE CALVERT TOYOTA |
| 2/1/2013 | Office Rent \& Water Utility @ HCHA 8933 Interchange - Feb 13 | 948.56 | SL Interchange, LP |
| 2/1/2013 | Starta Service Fee for January 2013 | 792.00 | Starta Development Inc |
| 2/8/2013 | Gasoline Expense for January 2013 | 105.87 | FUELMAN |
| 2/8/2013 | Office Supplies: Copy papers (4 months supply) | 370.00 | Liberty Office Products |
| 2/13/2013 | SS, Med, FU, and SU Taxes Employer - 02-14-13 | 735.55 |  |
| 2/13/2013 | FIT, SS, and Med Taxes Employee - 02-14-13 | 2,047.33 |  |
| 2/13/2013 | Reclass Payroll from G/L 11117 to G/L 11114 | 6,286.19 |  |
| 2/15/2013 | Starta Service Fees for February 2013 | 499.00 | Starta Development Inc |
| 2/15/2013 | Title Report: 2719 S Houston Rd., Pasadena, TX 77502 | 500.00 | Stewart Title Company |
| 2/15/2013 | Unum LTD Benefits Coverage: Mar 1 - Mar 31, 2013 | 33.28 | Unum Life Insurance Company of |
| 2/15/2013 | HCFCU - Payroll Deduction - 02/14/2013 | 264.00 | Harris County Federal Credit Union |
| 2/15/2013 | TCDRS - EE Contributions - January 2013 | 2,071.67 | Texas County \& District Retirement |
| 2/15/2013 | TCDRS - ER Contributions - January 2013 | 3,042.08 | Texas County \& District Retirement |
| 2/19/2013 | AT\&T:Refund for Wireless Svcs 12/02/12-01/01/13- | (57.51) |  |
| 2/22/2013 | Mobile Monthly charge from 01/05/13-02/04/13 | 72.36 | AT\&T Mobility |
| 2/22/2013 | BCBS Group Health Insurance - March 2013 | 1,957.30 | Blue Cross Blue Shield of Texas |
| 2/22/2013 | RFQ for Mkt Study,Appraisal \& Environmental Svcs,runFeb1 \& | 648.86 | Houston Chronicle |
| 2/22/2013 | Petty Cash Reimb - paid meter parking downtown for meeting | 7.00 | Paul Curry |
| 2/22/2013 | Title Report: 0 Parkwood, Houston, TX 77091;Houston RPC Unit | 500.00 | Stewart Title Company |
| 2/22/2013 | United Healthcare - Vision \& STD 03/01/13 thru 03/31/13 | 62.44 | United Healthcare |
| 2/27/2013 | SS, Med, FU, and SU Taxes Employer - 02-28-13 | 722.41 |  |
| 2/27/2013 | FIT, SS, and Med Taxes Employee - 02-28-13 | 2,012.86 |  |
| 2/27/2013 | Reclass Payroll from G/L 11117 to G/L 11114 | 6,216.92 |  |
| \#\#\#\#\#\#\#\# | Rcls Payroll Cash from G/L 11117 to G/L 11114 | 250.00 |  |

## 31,416.81

# Harris County Housing Authority <br> Affordable Housing Expenses <br> From 03/01/2013 Through 03/31/2013 

| Effective Date | Description | Amount | Name |
| :---: | :---: | :---: | :---: |
| 3/1/2013 | Guardian Dental/Life Insurance - March 2013 | 163.55 | Guardian Life Insurance Company of |
| 3/1/2013 | LJA - Sierra Meadows Estates Surveying svcs01/28/12- | 6,354.77 | LJA Engineering \& Surveying, Inc. |
| 3/1/2013 | Rent \& Water Utility@ H8933 Interchange - March 2013 | 948.56 | SL Interchange, LP |
| 3/1/2013 | HCFCU - Payroll Deduction - 02/28/2013 | 264.00 | Harris County Federal Credit Union |
| 3/8/2013 | Delivery service: 02/27/13 | 18.00 | A-1 Delivery Services Inc. |
| 3/8/2013 | Gasoline Expense for February 2013 | 78.83 | FUELMAN |
| 3/13/2013 | SS, Med, FU, and SU Taxes Employer - 03-14-13 | 725.38 |  |
| 3/13/2013 | FIT, SS, and Med Taxes Employee - 03-14-13 | 2,024.83 |  |
| 3/13/2013 | Reclass Payroll from G/L 11117 to G/L 11114 | 6,241.01 |  |
| 3/15/2013 | Mobile Monthly charge from 02/05/13 thru 03/04/13 (HCV) | 72.36 | AT\&T Mobility |
| 3/15/2013 | FedEx Delivery - 03/04/13 | 123.35 | Federal Express |
| 3/15/2013 | Unum LTD Benefits Coverage: April 1-30, 2013 | 33.28 | Unum Life Insurance Company of America |
| 3/15/2013 | HCFCU - Payroll Deduction - 03/14/2013 | 264.00 | Harris County Federal Credit Union |
| 3/15/2013 | TCDRS - EE Contributions - February 2013 | 1,366.59 | Texas County \& District Retirement System |
| 3/15/2013 | TCDRS - ER Contributions - February 2013 | 2,006.95 | Texas County \& District Retirement System |
| 3/15/2013 | ADP State Unemployment Insurance Adj - March 2013 | $(2,960.64)$ |  |
| 3/22/2013 | BCBS Group Health Insurance - April 2013 | 1,957.30 | Blue Cross Blue Shield of Texas |
| 3/22/2013 | United Healthcare - Vision \& STD 04/01/13 thru 04/30/13 | 62.44 | United Healthcare |
| 3/27/2013 | SS, Med, FU, and SU Taxes Employer - 03-28-13 | 675.04 |  |
| 3/27/2013 | FIT, SS, and Med Taxes Employee - 03-28-13 | 1,821.57 |  |
| 3/27/2013 | Reclass Payroll from G/L 11117 to G/L 11114 | 5,832.53 |  |
| 3/28/2013 | Guardian Dental/Life Insurance - April 2013 | 163.55 | Guardian Life Insurance Company of |
| 3/28/2013 | Starta Service Fees for March 2013 | 499.00 | Starta Development Inc |
| 3/28/2013 | HCFCU - Payroll Deduction - 03/28/2013 | 264.00 | Harris County Federal Credit Union |
| 3/28/2013 | Rcls Payroll Cash from G/L 11117 to G/L 11114 | 750.00 |  |

29,750.25

## RESOLUTION NO. 13-27

## RESOLUTION AUTHORIZING THE REIMBURSEMENT OF TRAVEL EXPENSES TO CEO TOM McCASLAND

WHEREAS, Tom McCasland attended the HUD-VASH Rapid Results Boot Camp in Tampa, Florida; and

WHEREAS, the timing of the travel was such that Mr. McCasland was not able to receive preapproval by the HCHA Board of Commissioners; and

WHEREAS, Mr. McCasland incurred $\$ 399.84$ for hotel expenses at the HUD-VASH conference hotel rate; and

WHEREAS, Mr. McCasland incurred $\$ 519.30$ for travel expenses.
NOW, THEREFORE, BE IT RESOLVED by the Board of Commissioners of the Harris County Housing Authority that the HCHA finance department is hereby authorized to reimburse Mr . McCasland $\$ 919.14$ for travel and hotel expenses in addition to other related expenses to this travel.

This resolution shall be in full force and effect from and upon its adoption.
PASSED, by the Board of Commissioners this 22nd day of April 2013.


Attachments: Memorandum from Tom McCasland; Checking account detail showing charge for $\$ 399.84$; receipt from Embassy Suites $\$ 399.84$; and Itinerary and receipt from United Airlines for $\$ 519.30$.

## RESOLUTION NO. 13-28

## RESOLUTION AUTHORIZING THE AWARD OF CONTRACT FOR APPRAISAL SERVICES FOR VARIOUS PROJECTS UNDER THE AFFORDABLE HOUSING DEVELOPMENT PROGRAM

WHEREAS, Harris County Housing Authority issued a Request for Qualifications (RFQ No. 13-04) for Appraisal Services for HCHA's Affordable Housing Development program; and

WHEREAS, the RFQ was advertised in the local newspaper, posted on HCHA's website and made available to all interested professionals; and

WHEREAS, HCHA received two (2) proposals from the following Consulting Firms: Travis Cooper \& Associates O'Connor \& Associates.

WHEREAS, the proposals were reviewed and evaluated by staff, and both firms were determined to be responsive, responsible and qualified Consulting firms; and

WHEREAS, HCHA requires the immediate and initial need of an Firm to undertake the design of developments to be funded utilizing funds from the General Land Office; and

WHEREAS, O'Connor \& Associates has submitted a fee proposal, when averaged is in the amount of $\$ \mathbf{4 8 2 5 . 0 0}$; and $\$ 5315.63$ for Travis Cooper \& Associates

NOW, THEREFORE, BE IT RESOLVED by the Board of Commissioners of the Harris County Housing Authority that the Chief Executive Officer is hereby authorized to negotiate and execute contracts with O’Connor \& Associates and Travis Cooper \& Associates for Appraisal Services for various projects associated with the HCHA Affordable Housing Development Program.

This resolution shall be in full force and effect from and upon its adoption.
PASSED, by the Board of Commissioners this 22nd day of April 2013.


## RESOLUTION NO. 13-29

## RESOLUTION AUTHORIZING THE AWARD OF CONTRACT FOR MARKET STUDY SERVICES FOR VARIOUS PROJECTS UNDER THE AFFORDABLE HOUSING DEVELOPMENT PROGRAM

WHEREAS, Harris County Housing Authority issued a Request for Qualifications (RFQNo. 13-04) for Market Study Services for HCHA's Affordable Housing Development program; and

WHEREAS, the RFQ was advertised in the local newspaper, posted on HCHA's website and made available to all interested professionals; and

WHEREAS, HCHA received two (2) proposals from the following Consulting Firms: Novogradic \& Company, LLP

O’Connor \& Associates.
WHEREAS, the proposals were reviewed and evaluated by staff, and both firms were determined to be responsive, responsible and qualified Consulting firms; and

WHEREAS, HCHA requires the immediate and initial need of a Market Study firm to undertake the design of developments to be funded utilizing funds from the General Land Office; and

WHEREAS, Novogradic \& Company, LLP has submitted a fee proposal, when averaged is in the amount of $\$ 6, \mathbf{1 2 5 . 0 0}$; and $\$ 7225.00$ for O'Connor \& Associates

NOW, THEREFORE, BE IT RESOLVED by the Board of Commissioners of the Harris County Housing Authority that the Chief Executive Officer is hereby authorized to negotiate and execute contracts with Novogradic \& Company, LLP and O’Connor \& Associates for Market Study Services for various projects associated with the HCHA Affordable Housing Development Program.

This resolution shall be in full force and effect from and upon its adoption.
PASSED, by the Board of Commissioners this 22nd day of April 2013.

Chairman:


## RESOLUTION AUTHORIZING THE NEGOTIATION AND EXECUTION OF A CONTRACT FOR PERMANENT LOAN FINANCING

WHEREAS, quotes were obtained from financial institutions to provide Permanent Loan Financing related to Sierra Meadows a senior affordable housing development; and

WHEREAS, the quotes were requested, by the Developer (Integrated Sierra Meadows Developer, LLC), on behalf of the Partnership (Sierra Meadows, LTD), during the period March 11, 2013 through May 27, 2013; and

WHEREAS, the Developer obtained three (3) quotes (Community Bank of Texas, Greystone Financial Group \& Comercia Bank); and

WHEREAS, the HCHA's financial consultant and HCHA staff reviewed/evaluated the quotes and recommendation of the Developer; and

WHEREAS, the HCHA's financial consultant and HCHA staff concurred with the Developer's recommendation of Comercia Bank as the lender of choice; and

WHEREAS, the terms and conditions outlined in Comercia Bank's quotes are most advantages to the Sierra Meadows, LTD.

NOW, THEREFORE, BE IT RESOLVED, that the HCHA Sierra Meadows, LLC (General Partner of the Sierra Meadows, LTD) is authorized and directed subject to the terms outlined in Comercia Bank's quote, to negotiated and execute a contract for Permanent Loan Financing and loan documents with Comercia Bank for financing related to Sierra Meadows, LTD and to take such actions as the HCHA Sierra Meadows, LLC deems necessary to effectuate the intent of this resolution, the execution of any documents or taking of any actions to be conclusive evidence of the necessity therefor.

This resolution shall be in full force and effect from and upon its adoption.
PASSED, by the Board of Commissioners this $18^{\text {th }}$ day of June 2013.


See Attachments

## Horace Allison

| From: | David Cornwell [davidcornwell@cornwell-assoc.com](mailto:davidcornwell@cornwell-assoc.com) |
| :--- | :--- |
| Sent: | Tuesday, June 04, 2013 2:53 PM |
| To: | Horace Allison |
| Cc: | Tom McCasland |
| Subject: | RE: Sierra Refinancing.xlsx |

Horace:

I have reviewed the four refinancing proposals provided to you by Kenneth Fambro, Integrated Real Estate Group, and provide the following analysis:

1. Both Greystone Financial Group proposals fail to meet the necessary needed re-fi balance of $\$ 3 \mathrm{M}$.
2. Community Bank of Texas, given the blended rate of $4.25 / 6.25 \%$ and a 10 year term, will provide a net cash flow savings of $\$ 132,599$ ( $\$ 164,599$ cash flow from monthly payments less the $\$ 32,000$ additional closing costs) from the same 10 year period with a $6 \%$ loan with Comercia Bank ( $\$ 1,105$ per month).
3. The Comercia $6 \%$ is a 15 year period ( 30 year amortization) with no closing costs.

The final analysis weights the security of a 15 year loan @ $6 \%$ against the 10 year loan providing a $\$ 1,105 /$ month savings in cash flow.

While not assured, all indications are that the interest rates in the very near future will rise to a level well beyond the $6 \%$ rate after a 10 year period.

Therefore, I concur with the Integrated Real Estate Group's recommendation to re-fi the debt with Comercia Bank @ 6\%, 15 year term ( 30 year amortization).

Do not hesitate to call with any questions or concerns.

David W. Cornwell, CPA
President
The Cornwell Associates, Accountants, Inc.
4421 Northwest 39th Avenue, Building \#3
Gainesville, Florida 32606-7223
(352) 371-6809 (office)
(352) 375-2747 (fax)
(352) 494-1351 (celi)
web address www,cornwell-assoc.com
email address davidcornwell@cornwell-assoc.com

This message contains information that may be confidential and privileged. Unless you are the addressee (or authorized to receive for the addressee), you may not use, copy, print or disclose to anyone the message or any information contained in the message. If you have received the message in error, please advise me by reply and delete the message. Thank you in advance.

Sent: Thursday, May 30, 2013 4:07 PM
To: davidcornwell@cornwell-assoc.com
Cc: Tom McCasland
Subject: FW: Sierra Refinancing.xlsx
Importance: High
David can you review this and is there a time on tomorrow we can discuss.
Horace Allison, AIA
Horace Allison, AIA
Harris County Housing Authority
8933 Interchange
Houston, Texas 77054
713 669-4514 ph; 713 669-4596 fax
www.hchatexas.org[http://www.hchatexas.org](http://www.hchatexas.org)
Because I know who I know. I am able to SMILE and Stand, no matter what the circumstance...

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.2242 / Virus Database: 3184/5886 - Release Date: 06/05/13

From:
Sent:
To:
Subject:
Attachments:

Kenneth W. Fambro [KFambro@integratedreg.com](mailto:KFambro@integratedreg.com)
Wednesday, May 08, 2013 11:24 AM
Horace Allison
Sierra - conversion
Loan Analysis Spreadsheet_Sierra.x|sx

Horace,
As a follow-up to our call, attached is the loan comparison for Sierra. The analysis provides confirmation that the revised Comerica loan is a better long-term solution given the fixed rate structure of $6 \%$ for the next 15 years. Although the blended rate proposal from Community Bank ( $5.25 \%$ for the first 5 years and $6.75 \%$ for the remaining 5 years) is competitive, we have interest rate exposure after year 10 compared to a fixed rate product. In addition to the interest rate risk, switching to a new lender would result in a new title policy (approx. $\$ 3,500$ ), legal (approx. $\$ 6,000$ ) and loan origination fee of $\$ 22,500$ (based on $\$ 3 \mathrm{~mm}$ loan). Given this information it is my recommendation that we proceed with the conversion accordingly.

The loan matures on June $29^{\text {th }}$, so we need to begin the process very soon. Please review and let me know if there are any questions.

Kenneth W. Fambro, II | Integrated Real Estate Group
3110 W . Southlake Bivd., Sulte 120 | Southlakes Texas 76092
Office: (817) 742-1861ヶ14 | Cell: (214) 497-0155 | Fax: (817) 742-1052
Erraili: kfambro@integratedreg.com

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.2241 / Virus Database: 3162/5808 - Release Date: 05/08/13

| From: | Kenneth W. Fambro [KFambro@integratedreg.com](mailto:KFambro@integratedreg.com) |
| :--- | :--- |
| Sent: | Friday, June 07, 2013 10:34 AM |
| To: | Horace Allison |
| Subject: | RE: Sierra |

Proposal solicitation began on March $11^{\text {th }}$ and concluded on May $27^{\text {th }}$. No Request for Proposals form was used for this process. We provided the loan information to several lenders and requested that each present their most competitive refinance option - rate, terms, fees, etc.

Kenneth W. Fambro, II | Integrated Real Estate Group
3110 W. Southlake Blyd., Suite $120 \mid$ Southlako, Texas 76092
Office: (817) 742 -1851x14 | Cell: (214) 497-0165] Fax: (817) 742-1852
Embil: kfambro@integratedreg.com

From: Horace Allison [mailto:Horace.Allison@hchatexas.org]
Sent: Wednesday, June 05, 2013 10:48 AM
To: Kenneth W. Fambro
Subject: Sierra
Importance: High

Kenneth, I am putting the resolution together for Sierra refi. I need some inf. What date the when begin the solicitation for refi proposal? What date were they due? How were the solicited. DO you have a Request for Proposals form, that Integrated used, etc.???

## Hrace Allim, AOA

Horace Allison, AIA
Harris County Housing Authority
8933 Interchange
Houston, Texas 77054
713 669-4514 ph; 713 669-4596 fax
www.hchatexas.org
Because I know who I know. I am able to SMILE and Stand, no matter what the circumstance...

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.2242 / Virus Database: 3199/5891 - Release Date: 06/07/13

May 23, 2013
Kenneth Fambro II Integrated Real Estate Group 3110 W. Southlake Blvd., Sulte 120 Southlake, Texas 76092

Re: Sierra Meadows
Dear Kenneth,
CommunityBank of Texas (the "Bank") is pleased to provide the following term sheet for permanent flnancing to Sierra Meadows, Ltd. (the "Borrower") for the development of Sierra Meadows, a 90-unit seniors development financed with funds from the Tax Credit Exchange Program located in Houston, Texas. The proposed terms and conditions are as follows:

Summary of Terms

## Borrower: Sierra Meadows, Ltd.

Guaranty: Loan will be non-recourse to borrower.

## Project: Sierra Meadows

Credit Facilities: $\quad$ Permanent loan of approximately $\$ 3,000,000$ :

- $4.25 \%$ fixed rate
- 60-month term
- Minimum of $1.25 x$ debt service coverage at initial undérwiting.
- Zero pre-payment penally - You may pay off the loan at anytime without penalty,
- Monthly principal and interest payments based on a $4.25 \%$ fixed rate and a 30 year amortization with the remainder principal balance due as a balloon payment at the end of the 60 -month maturity.
- Replacement reserves to be $\$ 250$ per unit per year with agreed upon increases for future years.
- Operating reserve in the amount $3 \%$ of net operating income will be escrowed into the operating reserve account annually.
- One 60 -monih extension to be priced at $6: 25 \%$ subject to 1 ) completion of project, 2) No event of default has occurred or potential for default to occur, 3) $90 \%$ occupancy and 4) No material adverse change in the financial condition of the

Project (l.e., deferred maintenance, signiffcant reserve depletions, etc.). Amortization would continue on the remalning 25 years left on the original 30 -year amortization.

Loan-to-value: . 1) Actual permanent loan amount not to exceed $80 \%$ during permanent period, based on stabilized rent-restricted value. Appralsal report will be in form and substance acceptable to the Bank.

## Collateral:

- $1^{\text {st }}$ lien leasehold interest and assignment of leases and rents on the subject property
- UCC filing on furniture, fixtures, and equipment
- Security interest in replacement reserve funds
- Assignment and subordination of deferred deveioper fee and other management fees collected by general partner or a related entity.
- Assignment and subordination of management, construction, architectural contracts, elc.

Fees: Origlnation fee of $0.75 \%$ of the permanent loan (payable at permanent loan closing) and $0.26 \%$ for the extension. Borrower will also pay for all reasonable costs incurred by the Bank in connection with the loan including, but not limited to, legal fees and expenses, appralsal/survey fees, fitle insurance premiums and search fees, UCC searches, environmental assessment fees, whether or not the loan contemplated herein are funded. This obligation will survive whether or not the loan is approved.

Reporting Requirements: Include but are not limited to:

- Annual audited financial statements of Borrower
- Quarterly operating statements on the property


## Summary of Conditions

Thls proposal is subject to all of the following conditions being met prior to construction closing:
Project Operations: Review of current operating financial statements Indicating annualized 1.25x debt service coverage. Principal amount of loan may be adjusted based on this review.

Other Conditions: Receipt and approval of those items listed in the Due Diligence Checklist

If you should have any questions concerning these torms and conditions, please feel free to call me at (832) 214-3129. Kenneth, thank you for glving us the opportunity to consider financing for this project,

## Sincerely,



## Agreed to:

By: $\qquad$
Authorized signer of Borrower

## FINANOIAL <br> GROUP

| To: | Paula Burns <br> Harris County Housing Authority |
| :--- | :--- |
| From: | Pharrah Jackson <br> Greystone Servicing Corporation, Inc. |
| Cc: | Jonathan Stettin <br> Greystone Servicing Corporation, Inc. |

## GREYSTONE SERVICING

 CORPORATION, INC. 1100 AEERNAFHY ROAD NE, BIDG 500 SuTr 900Date:
March 22, 2011
Re: $\quad$ Sierra Meadows - Humble, Texas

Greystone Servicing Corporation, Inc. ("Greystone") is pleased to submit the following loan proposal in regard to the referenced project. The basic terms are described below and the proposal is based on the information provided to Greystone to date. It is subject to our standard underwriting and due diligence guidelines. This Greystone quote is effective for up to 10 business days from the above referenced date.

| Loan Type: | Fannie Mae Immediate Delivery - Refinance with cash out |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Maximum Loan-to~Value: | 70 LTV |  |  |  |  |
| Minimum DSCR: | 1.30x for A Piece at Full Taxes and 1.05x for B Piece based on Tax Exemption |  |  |  |  |
| A Piece at Full Taxes | Term | 10 years | 12 years | 15 years | 18 years |
|  | Yield Maintenance | 9.5 years | 11.5 years | 14.5 years | 15 years |
|  | Spread* | 2.48\% | 2.64\% | 3.01\% | 3.42\% |
|  | Amortization | 30 years | 30 years | 30 years | 30 years |
|  | Est. Rate | 4,40\% | 4.56\% | 4.93\% | 5.34\% |
|  | A Piece Loan | \$1,994,000 | \$1,957,000 | \$1,875,000 | \$1,790,000 |
|  | All spreads quoted above are priced over the 10 Year Treasury. Priced on a $30 / 360$ rate basis. <br> *Indicative rate subject to the market's daily changes. |  |  |  |  |


| $B$ Plece based on Tax Exemption | Term | 10 years | 12 years | 15 years | 18 years |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Yield Maintenance | 9.5 years | 11.5 years | 14.5 years | 15 years |
|  | Spread* | 1.65\% | 1.61\% | 2.29\% | 2.57\% |
|  | Amortization | 10 years | 12 years | 15 years | 18 years |
|  | Est. Rate | 3.57\% | 3.53\% | 4.21\% | 4.49\% |
|  | B Piece Loan | \$859,130 | \$1,030,956 | \$1,288,695 | \$1,441,367 |
|  | Ten year and 12 year quote are over the 5 and 7 year Treasury, respectively. All other spreads quoted above are priced over the 10 Year Treasury. Priced on a $30 / 360$ rate basis. <br> *Indicative rate subject to the market's daily changes. |  |  |  |  |
| Combined Loan Amounts | $\begin{aligned} & 10 \text { year } \\ & \$ 2,853,130 \end{aligned}$ | $\begin{aligned} & 12 \text { year } \\ & \$ 2,987,956 \end{aligned}$ | 15 year <br> $\$ 3,163$, |  | year $31,367$ |
| Origination Fee: | Greater of $\$ 25,000$ or $1.0 \%$ of the Full Loan Amount |  |  |  |  |
| Prepayment Terms: | Rate quoted above assumes Loan is subject to yield maintenance for the term listed above and then $1 \%$ thereafter with the last 90 days open at par. |  |  |  |  |
| Application / Due Diligence Fee: | $\$ 2,500$ application fee to cover internal costs <br> $\$ 12,500$ due diligence fee to cover costs associated with the engagement of the following: appraisal, engineering and environmental reports. <br> Total application and due ditigence fee: $\mathbf{\$ 1 5 , 0 0 0}$ |  |  |  |  |
| Lender Legal: | Borrower shall pay for all of Greystone's legal fees, estimated to be $\$ 12,500$, which shall be paid by the Borrower at Permanent Loan Closing. Applicant shall pay to Greystone a deposit in the amount of $\$ 5,000$ at the time of application, which will be applied at closing against lender legal bills. |  |  |  |  |
| Recourse/Non-Recourse: | Non-Recourse |  |  |  |  |
| Assumability: | 1\% Assumption Fee |  |  |  |  |

- Pricing is subject to Fannie Mae approval.
- Greystone will close and fund the Loan subject to the property maintaining a $90 \%$ economic occupancy for a trailing 90 day period.
- Loan Amount is subject to an Effective Gross Income being no less than $\$ 722,399$ and Net Operating Income being no less than \$278,521.
- Greystone will require monthly escrows for taxes and insurance. Greystone will require a replacement reserve escrow estimated at $\$ 250$ per unit per year, or $\$ 22,500$ annually, subject to the engineer's conclusions.
- Satisfactory review of all Key Principals resumes, financial statements (liquidity and net worth), and schedule of real estate owned.
- Affordability restrictions must be acceptable to Greystone through the term of the Loan.
- Loan assumes all subordinate debt is "sof"" and payable from available cash flow.
- Loan assumes that the Combined Loan Amount does not exceed $70 \%$ of the Restricted Value of the property.


## NOTE MODIFICATION AGREEMENT

THIS NOTE MODIFICATION AGREEMENT (this "Modification") is made and entered into as of May 2013, by and between SIERRA MEADOWS, LTD., a Texas limited partnership ("Borrower"), and COMERICA BANK, a Texas state banking association ("Lender"), successor by merger to Sterling Bank.

## WITNESSETH:

WHEREAS, in accordance with the terms and provisions of a Credit Support and Funding Agreement (the "Loan Agreement") dated June 29, 2010, between Lender and Borrower, Borrower executed and delivered to Lender, and is legaliy obligated to pay, among other indebtedness, a Promissory Note (the "Note"), dated of even date therewith, in the original principal face amount of $\$ 3,000,000.00$; and

WHEREAS, Borrower and Lender have agreed to extend, renew, and modify the Note as hereinafter provided to clarify a term in the Note.

NOW, THEREFORE, in consideration of the premises and the mutual agreements herein set forth, and for other good and valuable consideration, the recelpt and sufficiency of which are hereby acknowledged, Borrower and Lender agree as follows:

1. Definitions. All capitalized terms used in this Modification which are not otherwise defined herein shall have the meanings assigned to them in the Loan Agreement (as may be hereby amended), regardless of whether a specific reference to the Loan Agreement is made.
2. Modification of Note. Numerical Section 3 of the Loan Agreement is deleted in its entirety and the following is substituted in place thereof:

Permanent Term Interest. Beginning on the Permanent Term Commencement Date, interest shall accrue at a fixed rate per annum equal to $6.0 \%$ (such fixed rate is sometimes referred to herein as the "Stated Rate").
3. Preservation of Note. Except as specifically amended and modified by the terms of this Modification, all of the terms, provisions, covenants, warranties, and agreements contained in the Note, the Loan Agreement and each other Loan Document shall remain in full force and effect.
4. Joinder. The undersigned Guarantor joins in the execution and delivery of this Modification to evidence its Guaranty remains in full force and effect (subject to the terms thereof) and continues to secure the payment of the Note as hereby modified.
5. Counterparts. This Modification may be executed in two or more counterparts, and it shall not be necessary that any one of the counterparts be executed by all of the parties hereto. Each fully or partially executed counterpart shall be deemed an original, but all such counterparts taken together shall constitute but one and the same instrument.

EXECUTED effective as of the date first stated in this Modification.

## BORROWER:

SIERRA MEADOWS, LTD., a Texas limited partnership
By: HCHA Sierra Meadows, LL.C, a Texas limited liability company, its general partner

By:
David Gunter, Manager

## LENDER:

COMERICA BANK, a Texas state banking association

By:
Name:
Title:

## Joined and agreed to:

RES IHS, LLC, a Texas limited liability company
By:
Kenneth W. Fambro II, Vice President

## Sierra Meadows Permanent Loan Quotes/Proposals 90 Unit Senior Housing Development

| - | Commumity Bank of Texas | Greystone Financial Group AFull Taxes | Geystone Financial Group B - Tax Exempt | Comercia Bank |
| :---: | :---: | :---: | :---: | :---: |
| Guaranty | Non-recourse to Borrower | Non-recourse to Borrower | Non-recourse to Borrower |  |
| Laon Amount | \$3,000,000.00 | \$1,875,000.00 | \$1,288,695.00 | \$3,000,000.00 |
| Interest Rate Fixed | 4.25\% | 4,93\% | 4.21 | 6.00\% |
| Term | 60 months | 180 months | 180 months | 180 months |
| Amoritization | 30 yr . | 30 yr . | 15 yr . | 30 yr . |
| Replacement Reserves | \$250/unit/yr. | \$250/unit/yr. | \$250/unit/yr. |  |
| Operarating reserves | 3\% annually |  |  |  |
| Extension Option |  |  |  |  |
| Interest Rate Fixed | 6.25\% | TBD | TDB | TBD |
| Term | 60 months | TBD | TBD | TBD |
| Occupancy | 90\% | 90\% | 90\% |  |
| Loan-to Value Ratio | 80\% |  |  |  |
| Collateral |  |  |  |  |
|  | 1st Lien leasehold interest/assignment of leases and rent |  | $\cdots$ |  |
|  | UCC filing on furniture, fixtures and equipment | $\cdots$ |  |  |
|  | Security interest in replacement reserves |  |  |  |
| $\because \because$ | Assignment/Subordination of deferred developer fee/management fee of GP |  |  |  |
|  | Assignment/Subordination of management, construction, architectural services, etc. of deferred developer fee/management fee of GP |  | $\therefore \quad$ |  |
| Fees |  |  |  |  |
| Origination | . $75 \%$ of premanent loan | Greater of $\$ 25,000.00$ or 1\% | Greater of $\$ 25,000.00$ or 1\% | N/A |
|  | . $25 \%$ for extension |  |  |  |
|  | Borrower pays all reasonable costs in connection with the loan | Borrower pays all reasonable costs in connection with the loan | Borrower pays all reasonable costs in connection with the loan | Borrower pays all reasonable costs in connection with the loan |


| Application/Due Diligence Fee |  | $\begin{aligned} & \$ 2,500.00 \mathrm{app} / \$ 12,500.00 \text { due } \\ & \text { diligence } \end{aligned}$ | $\begin{aligned} & \$ 2,500.00 \mathrm{app} / \$ 12,500.00 \text { due } \\ & \text { dilligence } \end{aligned}$ |  |
| :---: | :---: | :---: | :---: | :---: |
| Lender Legal |  | \$12,500.00/\$5,000 deposit | \$12,500.00/\$5,000 deposit |  |
| Pre-payment Terms |  | Yield Maintenance/ $1 \%$. thereafter/90 days open par | Yield Maintenance/ $1 \%$ thereafter/ 190 days open par | 1\% |
| Assumability |  | i\% | 1\% |  |
| Reporting Requirement | Annual Financial Audited | Anmual Financial Audited | Annual Financial Audited | Annual Financial Aucited |
|  | Quarteriy Operating Statements | Quarterly Operating Statements | Quarterly Operating Statements | Quarterly Operating Statements |
| Debt Service Coverage Ratio | 1.25 | 1.30 | 1.05 | 1.15 |
| Notes: |  |  |  |  |
| Loan Type |  | Fannie Mae | Fennie Mae |  |
|  |  | Gross income no less than $\$ 722,399.00$ and Net operating tncome no less than $\$ 278,521.00$ | Gross income no less than \$722,399.00 and Net operating Income no less than $\$ 278,52100$ |  |
|  |  | All subordinated debt is soft and payable from cash flow | All subordinated debt is soft and payable from cash flow |  |


| Lean | Summary |
| :--- | ---: |
| Loan Amount | $3,000,000$ |
| Rate | $4.25 \%$ |
| Extension Rate | $6.25 \%$ |
| Term (yrs) | 5 |
| Extension Term | 5 |
| Amortization (yrs) | 30 |
| min DSCR | 1.25 |



| with loan extension |  |
| :--- | :---: |
| Rate | $4.25 \%$ first 5 years |
| Term | 5 Years |
| Amort | 30 Years |

Balance due at end of term 2,724,231

| Month | Beginning Balance | Principal | Interest | Payment | Ending Bailance |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | 3,000,000 | 4,133 | 10,625 | 14,758 | 2,995,867 |
| 2 | 2,995,867 | 4,148 | 10,610 | 14,758 | 2,991,719 |
| 3 | 2,991,719 | 4,163 | 10,596 | 14,758 | 2,987,556 |
| 4 | 2,987,556 | 4,177 | 10,581 | 14,758 | 2,983,379 |
| 5 | 2,983,379 | 4,192 | 10,566 | 14,758 | 2,979,187 |
| 6 | 2,979,187 | 4,207 | 10,551 | 14,758 | 2,974,980 |
| 7 | 2,974,980 | 4,222 | 10,536 | 14,758 | 2,970,758 |
| 8 | 2,970,758 | 4,237 | 10,521 | 14,758 | 2,966,522 |
| 9 | 2,966,522 | 4,252 | 10,506 | 14,758 | 2,962,270 |
| 10 | 2,962,270 | 4,267 | 10,491 | 14,758 | 2,958,003 |
| 11 | 2,958,003 | 4,282 | 10,476 | 14,758 | 2,953,721 |
| 12 | 2,953,721 | 4,297 | 10,461 | 14,758 | 2,949,424 |
| 13 | 2,949,424 | 4,312 | 10,446 | 14,758 | 2,945,112 |
| 14 | 2,945,112 | 4,328 | 10,431 | 14,758 | 2,940,784 |
| 15 | 2,940,784 | 4,343 | 10,415 | 14,758 | 2,936,441 |
| 16 | 2,936,441 | 4,358 | 10,400 | 14,758 | 2,932,083 |
| 17 | 2,932,083 | 4,374 | 10,384 | 14,758 | 2,927,709 |
| 18 | 2,927,709 | 4,389 | 10,369 | 14,758 | 2,923,320 |
| 19 | 2,923,320 | 4,405 | 10,353 | 14,758 | 2,918,915 |
| 20 | 2,918,915 | 4,420 | 10,338 | 14,758 | 2,914,495 |
| 21 | 2,914,495 | 4,436 | 10,322 | 14,758 | 2,910,059 |
| 22 | 2,910,059 | 4,452 | 10,306 | 14,758 | 2,905,507 |
| 23 | 2,905,607 | 4,468 | 10,201 | 14,758 | 2,901,139 |
| 24 | 2,901,139 | 4,483 | 10,275 | 14,758 | 2,896,656 |
| 25 | 2,896,656 | 4,499 | 10,259 | 14,758 | 2,892,157 |
| 26 | 2,892,157 | 4,515 | 10,243 | 14,758 | 2,887,542 |
| 27 | 2,887,642 | 4,531 | 10,227 | 14,758 | 2,883,111 |
| 28 | 2,883,111 | 4,547 | 10,211 | 14,758 | 2,878,564 |
| 29 | 2,878,564 | 4,563 | 10,195 | 14,758 | 2,874,000 |
| 30 | 2,874,000 | 4,579 | 10,179 | 14,758 | 2,869,421 |
| 31 | 2,869,421 | 4,596 | 10,163 | 14,758 | 2,864,825 |
| 32 | 2,864,825 | 4,612 | 10,146 | 14,758 | 2,860,213 |
| 33 | 2,860,213 | 4,628 | 10,130 | 14,758 | 2,855,585 |
| 34 | 2,855,585 | 4,645 | 10,114 | 14,758 | 2,850,940 |
| 35 | 2,850,940 | 4,661 | 10,097 | 14,758 | 2,846,279 |


| Month | Begmining Balarice: | RLMatip ${ }^{\text {a }}$ | Interest | Payment | Endine Batance |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | 3,000,000 | 4,133 | 10,625 | 14,758 | 2,995,867 |
| 2 | 2,995,867 | 4,148 | 10,610 | 14,758 | 2,991,719 |
| 3 | 2,991,719 | 4,163 | 10,596 | 14,758 | 2,987,556 |
| 4 | 2,987,556 | 4,177 | 10,581 | 14,758 | 2,983,379 |
| 5 | 2,983,379 | 4,192 | 10,566 | 14,758 | 2,979,187 |
| 6 | 2,979,187 | 4,207 | 10,551 | 14,758 | 2,974,980 |
| 7 | 2,974,980 | 4,222 | 10,536 | 14,758 | 2,970,758 |
| 8 | 2,970,758 | 4,237 | 10,521 | 14,758 | 2,966,522 |
| 9 | 2,966,522 | 4,252 | 10,506 | 14,758 | 2,962,270 |
| 10 | 2,962,270 | 4,267 | 10,491 | 14,758 | 2,958,003 |
| 11 | 2,958,003 | 4,282 | 10,476 | 14,758 | 2,953,721 |
| 12 | 2,953,721 | 4,297 | 10,461 | 14,758 | 2,949,424 |
| 13 | 2,949,424 | 4,312 | 10,446 | 14,758 | 2,945,112 |
| 14 | 2,945,112 | 4,328 | 10,431 | 14,758 | 2,940,784 |
| 15 | 2,940,784 | 4,343 | 10,415 | 14,758 | 2,936,441 |
| 16 | 2,936,441 | 4,358 | 10,400 | 14,758 | 2,932,083 |
| 17 | 2,932,083 | 4,374 | 10,384 | 14,758 | 2,927,709 |
| 18 | 2,927,709 | 4,389 | 10,369 | 14,758 | 2,923,320 |
| 19 | 2,923,320 | 4,405 | 10,353 | 14,758 | 2,918,915 |
| 20 | 2,918,915 | 4,420 | 10,338 | 14,758 | 2,914,495 |
| 21 | 2,914,495 | 4,436 | 10,322 | 14,758 | 2,910,059 |
| 22 | 2,910,059 | 4,452 | 10,306 | 14,758 | 2,905,607 |
| 23 | 2,905,607 | 4,468 | 10,291 | 14,758 | 2,901,139 |
| 24 | 2,901,139 | 4,483 | 10,275 | 14,758 | 2,896,656 |
| 25 | 2,896,656 | 4,499 | 10,259 | 14,758 | 2,892,157 |
| 26 | 2,892,157 | 4,515 | 10,243 | 14,758 | 2,887,642 |
| 27 | 2,887,642 | 4,531 | 10,227 | 14,758 | 2,883,111 |
| 28 | 2,883,111 | 4,547 | 10,211 | 14,758 | 2,878,564 |
| 29 | 2,878,564 | 4,563 | 10,195 | 14,758 | 2,874,000 |
| 30 | 2,874,000 | 4,579 | 10,179 | 14,758 | 2,869,42I |
| 31 | 2,869,421 | 4,596 | 10,163 | 14,758 | 2,864,825 |
| 32 | 2,864,825 | 4,612 | 10,146 | 14,758 | 2,860,213 |
| 33 | 2,860,213 | 4,628 | 10,130 | 14,758 | 2,855,585 |
| 34 | 2,855,585 | 4,645 | 10,114 | 14,758 | 2,850,940 |
| 35 | 2,850,940 | 4,661 | 10,097 | 14,758 | 2,846,279 |


| 36 | 2,846,279 | 4,678 | 10,081 | 14,758 | 2,841,601 | 36 | 2,846,279 | 4,678 | 10,081 | 14,758 | 2,841,601 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 37 | 2,841,601 | 4,694 | 10,064 | 14,758 | 2,836,907 | 37 | 2,841,601 | 4,694 | 10,064 | 14,758 | 2,836,907 |
| 38 | 2,836,907 | 4,711 | 10,047 | 14,758 | 2,832,196 | 38 | 2,836,907 | 4,711 | 10,047 | 14,758 | 2,832,196 |
| 39 | 2,832,196 | 4,728 | 10,031 | 14,758 | 2,827,469 | 39 | 2,832,196 | 4,728 | 10,031 | 14,758 | 2,827,469 |
| 40 | 2,827,469 | 4,744 | 10,014 | 14,758 | 2,822,725 | 40 | 2,827,469 | 4,744 | 10,014 | 14,758 | 2,822,725 |
| 41 | 2,822,725 | 4,761 | 9,997 | 14,758 | 2,817,964 | 41 | 2,822,725 | 4,761 | 9,997 | 14,758 | 2,817,964 |
| 42 | 2,817,964 | 4,778 | 9,980 | 14,758 | 2,813,186 | 42 | 2,817,964 | 4,778 | 9,980 | 14,758 | 2,813,186 |
| 43 | 2,813,186 | 4,795 | 9,963 | 14,758 | 2,808,391 | 43 | 2,813,186 | 4,795 | 9,963 | 14,758 | 2,808,391 |
| 44 | 2,808,391 | 4,812 | 9,946 | 14,758 | 2,803,579 | 44 | 2,808,391 | 4,812 | 9,946 | 14,758 | 2,803,579 |
| 45 | 2,803,579 | 4,829 | 9,929 | 14,758 | 2,798,750 | 45 | 2,803,579 | 4,829 | 9,929 | 14,758 | 2,798,750 |
| 46 | 2,798,750 | 4,846 | 9,912 | 14,758 | 2,793,904 | 46 | 2,798,750 | 4,846 | 9,912 | 14,758 | 2,793,904 |
| 47 | 2,793,904 | 4,863 | 9,895 | 14,758 | 2,789,041 | 47 | 2,793,904 | 4,863 | 9,895 | 14,758 | 2,789,041 |
| 48 | 2,789,041 | 4,880 | 9,878 | 14,758 | 2,784,161 | 48 | 2,789,041 | 4,880 | 9,878 | 14,758 | 2,784,161 |
| 49 | 2,784,161 | 4,898 | 9,861 | 14,758 | 2,779,263 | 49 | 2,784,161 | 4,898 | 9,861 | 14,758 | 2,779,263 |
| 50 | 2,779,263 | 4,915 | 9,843 | 14,758 | 2,774,348 | 50 | 2,779,263 | 4,915 | 9,843 | 14,758 | 2,774,348 |
| 51 | 2,774,348 | 4,932 | 9,826 | 14,758 | 2,759,416 | 51 | 2,774,348 | 4,932 | 9,826 | 14,758 | 2,769,416 |
| 52 | 2,769,416 | 4,950 | 9,808 | 14,758 | 2,764,466 | 52 | 2,769,416 | 4,950 | 9,808 | 14,758 | 2,764,466 |
| 53 | 2,764,466 | 4,967 | 9,791 | 14,758 | 2,759,499 | 53 | 2,764,466 | 4,967 | 9,791 | 14,758 | 2,759,499 |
| 54 | 2,759,499 | 4,985 | 9,773 | 14,758 | 2,754,514 | 54 | 2,759,499 | 4,985 | 9,773 | 14,758 | 2,754,514 |
| 55 | 2,754,514 | 5,003 | 9,756 | 14,758 | 2,749,511 | 55 | 2,754,514 | 5,003 | 9,756 | 14,758 | 2,749,511 |
| 56 | 2,749,511 | 5,020 | 9,738 | 14,758 | 2,744,491 | 56 | 2,749,511 | 5,020 | 9,738 | 14,758 | 2,744,491 |
| 57 | 2,744,491 | 5,038 | 9,720 | 14,758 | 2,739,453 | 57 | 2,744,491 | 5,038 | 9,720 | 14,758 | 2,739,453 |
| 58 | 2,739,453 | 5,056 | 9,702 | 14,758 | 2,734,397 | 58 | 2,739,453 | 5,056 | 9,702 | 14,758 | 2,734,397 |
| 59 | 2,734,397 | 5,074 | 9,684 | 14,758 | 2,729,323 | 59 | 2,734,397 | 5,074 | 9,684 | 14,758 | 2,729,323 |
| 60 | 2,729,323 | 5,092 | 9,656 | 14,758 | 2,724,231 | 60 | 2,729,323 | 3,764 | 14,215 | 17,980 | 2,725,558 |
| 61 | 2,724,231 | 5,110 | 9,648 | 14,758 | 2,719,121 | 61 | 2,725,558 | 3,784 | 14,196 | 17,980 | 2,721,774 |
| 62 | 2,719,121 | 5,128 | 9,630 | 14,758 | 2,713,993 | 62 | 2,721,774 | 3,804 | 14,176 | 17,980 | 2,717,970 |
| 63 | 2,713,993 | 5,146 | 9,612 | 14,758 | 2,708,847 | 63 | 2,717,970 | 3,824 | 14,156 | 17,980 | 2,714,147 |
| 64 | 2,708,847 | 5,164 | 9,594 | 14,758 | 2,703,683 | 64 | 2,714,147 | 3,843 | 14,136 | 17,980 | 2,710,303 |
| 65 | 2,703,683 | 5,183 | 9,576 | 14,758 | 2,698,500 | 65 | 2,710,303 | 3,864 | 14,116 | 17,980 | 2,706,440 |
| 65 | 2,698,500 | 5,201 | 9,557 | 14,758 | 2,693,299 | 66 | 2,706,440 | 3,884 | 14,096 | 17,980 | 2,702,556 |
| 67 | 2,693,299 | 5,219 | 9,539 | 14,758 | 2,688,079 | 67 | 2,702,556 | 3,904 | 14,076 | 17,980 | 2,698,652 |
| 68 | 2,688,079 | 5,238 | 9,520 | 14,758 | 2,682,842 | 68 | 2,598,652 | 3,924 | 14,055 | 17,980 | 2,694,728 |
| 69 | 2,682,842 | 5,256 | 9,502 | 14,758 | 2,677,585 | 69 | 2,694,728 | 3,945 | 14,035 | 17,980 | 2,690,784 |
| 70 | 2,677,585 | 5,275 | 9,483 | 14,758 | 2,672,310 | 70 | 2,690,784 | 3,965 | 24,014 | 17,980 | 2,686,818 |
| 71 | 2,672,310 | 5,294 | 9,464 | 14,758 | 2,667,016 | 71 | 2,686,818 | 3,986 | 13,994 | 17,980 | 2,582,833 |
| 72 | 2,667,016 | 5,313 | 9,446 | 14,758 | 2,661,704 | 72 | 2,682,833 | 4,007 | 13,973 | 17,980 | 2,678,826 |
| 73 | 2,661,704 | 5,331 | 9,427 | 14,758 | 2,656,372 | 73 | 2,678,826 | 4,027 | 13,952 | 17,980 | 2,674,799 |
| 74 | 2,656,372 | 5,350 | 9,408 | 14,758 | 2,651,022 | 74 | 2,674,799 | 4,048 | 13,931 | 17,980 | 2,670,750 |
| 75 | 2,551,022 | 5,369 | 9,389 | 14,758 | 2,645,653 | 75 | 2,670,750 | 4,070 | 13,910 | 17,980 | 2,666,681 |
| 76 | 2,545,653 | 5,388 | 9,370 | 14,758 | 2,640,265 | 76 | 2,566,581 | 4,091 | 13,889 | 17,980 | 2,662,590 |
| 77 | 2,640,265 | 5,407 | 9,351 | 14,758 | 2,534,858 | 77 | 2,662,590 | 4,112 | 13,868 | 17,980 | 2,658,478 |
| 78 | 2,634,858 | 5,426 | 9,332 | 14,758 | 2,629,431 | 78 | 2,658,478 | 4,133 | 13,846 | 17,980 | 2,654,344 |
| 79 | 2,629,431 | 5,446 | 9,313 | 14,758 | 2,623,986 | 79 | 2,654,344 | 4,155 | 13,825 | 17,980 | 2,650,189 |
| 80 | 2,623,986 | 5,465 | 9,293 | 14,758 | 2,618,521 | 80 | 2,650,189 | 4,177 | 13,803 | 17,980 | 2,646,013 |
| 81 | 2,618,521 | 5,484 | 9,274 | 14,758 | 2,613,036 | 81 | 2,646,013 | 4,198 | 13,781 | 17,980 | 2,641,814 |
| 82 | 2,613,036 | 5,504 | 9,255 | 14,758 | 2,607,533 | 82 | 2,641,814 | 4,220 | 13,759 | 17,980 | 2,637,594 |
| 83 | 2,607,533 | 5,523 | 9,235 | 14,758 | 2,602,009 | 83 | 2,637,594 | 4,242 | 13,737 | 17,980 | 2,633,352 |
| 84 | 2,602,009 | 5,543 | 9,215 | 14,758 | 2,596,467 | 84 | 2,633,352 | 4,264 | 13,715 | 17,980 | 2,629,088 |
| 85 | 2,596,467 | 5,562 | 9,196 | 14,758 | 2,590,904 | 85 | 2,629,088 | 4,287 | 13,693 | 17,980 | 2,624,801 |
| 86 | 2,590,904 | 5,582 | 9,176 | 14,758 | 2,585,322 | 86 | 2,624,801 | 4,309 | 13,671 | 17,980 | 2,620,492 |
| 87 | 2,585,322 | 5,602 | 9,156 | 14,758 | 2,579,720 | 87 | 2,620,492 | 4,331 | 13,648 | 17,980 | 2,616,161 |
| 88 | 2,579,720 | 5,622 | 9,137 | 14,758 | 2,574,099 | 88 | 2,616,161 | 4,354 | 13,626 | 17,980 | 2,611,807 |
| 89 | 2,574,099 | 5,642 | 9,117 | 14,758 | 2,568,457 | 89 | 2,611,807 | 4,377 | 13,603 | 17,980 | 2,607,431 |
| 90 | 2,568,457 | 5,662 | 9,097 | 14,758 | 2,562,796 | 90 | 2,607,431 | 4,399 | 13,580 | 17,980 | 2,603,032 |
| 91 | 2,562,796 | 5,682 | 9,077 | 14,758 | 2,557,114 | 91 | 2,603,032 | 4,422 | 13,557 | 17,980 | 2,598,609 |
| 92 | 2,557,114 | 5,702 | 9,056 | 14,758 | 2,551,412 | 92 | 2,598,609 | 4,445 | 13,534 | 17,980 | 2,594,164 |


| 93 | 2,551,412 | 5,722 | 9,036 | 14,758 | 2,545,590 | 93 | 2,594,164 | 4,468 | 13,511 | 17,980 | 2,589,696 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 94 | 2,545,690 | 5,742 | 9,016 | 14,758 | 2,539,948 | 94 | 2,589,696 | 4,492 | 13,488 | 17,980 | 2,585,204 |
| 95 | 2,539,948 | 5,763 | 8,996 | 14,758 | 2,534,185 | 95 | 2,585,204 | 4,515 | 13,465 | 17,980 | 2,580,689 |
| 96 | 2,534,185 | 5,783 | 8,975 | 14,758 | 2,528,403 | 96 | 2,580,689 | 4,539 | 13,441 | 17,980 | 2,576,150 |
| 97 | 2,528,403 | 5,803 | 8,955 | 14,758 | 2,522,599 | 97 | 2,576,150 | 4,562 | 13,417 | 17,980 | 2,571,588 |
| 98 | 2,522,599 | 5,824 | 8,934 | 14,758 | 2,516,775 | 98 | 2,571,588 | 4,586 | 13,394 | 17,980 | 2,567,002 |
| 99 | 2,516,775 | 5,845 | 8,914 | 14,758 | 2,510,930 | 99 | 2,567,002 | 4,610 | 13,370 | 17,980 | 2,562,392 |
| 100 | 2,510,930 | 5,865 | 8,893 | 14,758 | 2,505,065 | 100 | 2,562,392 | 4,634 | 13,346 | 17,980 | 2,557,758 |
| 101 | 2,505,065 | 5,886 | 8,872 | 14,758 | 2,499,179 | 101 | 2,557,758 | 4,658 | 13,322 | 17,980 | 2,553,100 |
| 102 | 2,499,179 | 5,907 | 8,851 | 14,758 | 2,493,272 | 102 | 2,553,100 | 4,682 | 13,297 | 17,980 | 2,548,418 |
| 103 | 2,493,272 | 5,978 | 8,830 | 14,758 | 2,487,344 | 103 | 2,548,418 | 4,707 | 13,273 | 17,980 | 2,543,711 |
| 104 | 2,487,344 | 5,949 | 8,809 | 14,758 | 2,481,395 | 104 | 2,543,711 | 4,731 | 13,248 | 17,980 | 2,538,980 |
| 105 | 2,481,395 | 5,970 | 8,788 | 14,758 | 2,475,425 | 105 | 2,538,980 | 4,756 | 13,224 | 17,980 | 2,534,224 |
| 106 | 2,475,425 | 5,991 | 8,767 | 14,758 | 2,469,434 | 106 | 2,534,224 | 4,781 | 13,199 | 17,980 | 2,529,444 |
| 107 | 2,469,434 | 6,012 | 8,746 | 14,758 | 2,463,422 | 107 | 2,529,444 | 4,805 | 13,174 | 17,980 | 2,524,638 |
| 108 | 2,463,422 | 6,034 | 8,725 | 14,758 | 2,457,389 | 108 | 2,524,638 | 4,831 | 13,149 | 17,980 | 2,519,808 |
| 109 | 2,457,389 | 6,055 | 8,703 | 14,758 | 2,451,334 | 109 | 2,519,808 | 4,856 | 13,124 | 17,980 | 2,514,952 |
| 110 | 2,451,334 | 6,076 | 8,682 | 14,758 | 2,445,257 | 110 | 2,514,952 | 4,881 | 13,099 | 17,980 | 2,510,071 |
| 111 | 2,445,257 | 6,098 | 8,660 | 14,758 | 2,439,159 | 111 | 2,510,071 | 4,906 | 13,073 | 17,980 | 2,505,165 |
| 112 | 2,439,159 | 6,120 | 8,639 | 14,758 | 2,433,040 | 112 | 2,505,165 | 4,932 | 13,048 | 17,980 | 2,500,233 |
| 113 | 2,433,040 | 6,141 | 8,517 | 14,758 | 2,426,899 | 113 | 2,500,233 | 4,958 | 13,022 | 17,980 | 2,495,275 |
| 114 | 2,426,899 | 6,163 | 8,595 | 14,758 | 2,420,736 | 114 | 2,495,275 | 4,983 | 12,996 | 17,980 | 2,490,292 |
| 115 | 2,420,736 | 5,185 | 8,573 | 14,758 | 2,414,551 | 115 | 2,490,292 | 5,009 | 12,970 | 17,980 | 2,485,282 |
| 116 | 2,414,551 | 6,207 | 8,552 | 14,758 | 2,408,344 | 116 | 2,485,282 | 5,035 | 12,944 | 17,980 | 2,480,247 |
| 117 | 2,408,344 | 6,229 | 8,530 | 14,758 | 2,402,116 | 117 | 2,480,247 | 5,062 | 12,918 | 17,980 | 2,475,185 |
| 118 | 2,402,116 | 6,251 | 8,507 | 14,758 | 2,395,865 | 118 | 2,475,185 | 5,088 | 12,892 | 17,980 | 2,470,097 |
| 119 | 2,395,865 | 6,273 | 8,485 | 14,758 | 2,389,592 | 119 | 2,470,097 | 5,115 | 12,865 | 17,980 | 2,464,982 |
| 120 | 2,389,592 | 6,295 | 8,463 | 14,758 | 2,383,297 | 120 | 2,464,982 | 5,141 | 12,838 | 17,980 | 2,459,841 |
| 121 | 2,383,297 | 6,317 | 8,441 | 14,758 | 2,376,980 | 121 | 2,459,841 | 5,107 | 13,017 | 18,123 | 2,454,735 |
| 122 | 2,376,980 | 6,340 | 8,418 | 14,758 | 2,370,640 | 122 | 2,454,735 | 5,134 | 12,990 | 18,123 | 2,449,601 |
| 123 | 2,370,640 | 6,362 | 8,396 | 14,758 | 2,364,278 | 123 | 2,449,601 | 5,161 | 12,962 | 18,12, | 2,444,440 |
| 124 | 2,364,278 | 6,385 | 8,373 | 14,758 | 2,357,893 | 124 | 2,444,440 | 5,188 | 12,935 | 18,123 | 2,43s,252 |
| 125 | 2,357,893 | 6,407 | 8,351 | 14,758 | 2,351,486 | 125 | 2,439,252 | 5,216 | 12,908 | 18,123 | 2,434,036 |
| 126 | 2,351,486 | 6,430 | 8,328 | 14,758 | 2,345,056 | 126 | 2,434,036 | 5,243 | 12,880 | 18,123 | 2,428,793 |
| 127 | 2,345,056 | 6,453 | 8,305 | 14,758 | 2,338,603 | 127 | 2,428,793 | 5,271 | 12,852 | 18,123 | 2,423,522 |
| 128 | 2,338,603 | 6,476 | 8,283 | 14,758 | 2,332,127 | 128 | 2,423,522 | 5,299 | 12,824 | 18,123 | 2,418,223 |
| 129 | 2,332,127 | 6,499 | 8,260 | 14,758 | 2,325,629 | 129 | 2,418,223 | 5,327 | 12,796 | 18,123 | 2,412,896 |
| 130 | 2,325,629 | 6,522 | 8,237 | 14,758 | 2,319,107 | 130 | 2,412,896 | 5,355 | 12,768 | 18,123 | 2,407,541 |
| 131 | 2,319,107 | 6,545 | 8,214 | 14,758 | 2,312,562 | 131 | 2,407,541 | 5,383 | 12,740 | 18,123 | 2,402,158 |
| 132 | 2,312,562 | 6,568 | 8,190 | 14,758 | 2,305,595 | 132 | 2,402,158 | 5,412 | 12,711 | 18,123 | 2,396,746 |
| 133 | 2,305,995 | 6,591 | 8,167 | 14,758 | 2,299,403 | 133 | 2,396,746 | 5,441 | 12,583 | 18,123 | 2,391,305 |
| 134 | 2,299,403 | 6,614 | 8,144 | 14,758 | 2,292,789 | 134 | 2,391,305 | 5,469 | 12,654 | 18,123 | 2,385,836 |
| 135 | 2,292,789 | 6,638 | 8,120 | 14,758 | 2,286,151 | 135 | 2,385,836 | 5,498 | 12,625 | 18,123 | 2,380,338 |
| 136 | 2,286,151 | 6,661 | 8,097 | 14,758 | 2,279,490 | 136 | 2,380,338 | 5,527 | 12,596 | 18,123 | 2,374,810 |
| 137 | 2,279,490 | 6,685 | 8,073 | 14,758 | 2,272,805 | 137 | 2,374,810 | 5,557 | 12,567 | 18,123 | 2,369,254 |
| 138 | 2,272,805 | 6,709 | 8,050 | 14,758 | 2,266,096 | 138 | 2,369,254 | 5,586 | 12,537 | 18,123 | 2,363,668 |
| 139 | 2,266,096 | 6,732 | 8,026 | 14,758 | 2,259,363 | 139 | 2,363,668 | 5,615 | 12,508 | 18,123 | 2,358,052 |
| 140 | 2,259,363 | 6,756 | 8,002 | 14,758 | 2,252,607 | 140 | 2,358,052 | 5,645 | 12,478 | 18,123 | 2,352,407 |
| 141 | 2,252,607 | 6,780 | 7,978 | 14,758 | 2,245,827 | 141 | 2,352,407 | 5,675 | 12,448 | 18,123 | 2,346,731 |
| 142 | 2,245,827 | 6,804 | 7,954 | 14,758 | 2,239,023 | 142 | 2,346,731 | 5,705 | 12,418 | 18,123 | 2,341,026 |
| 143 | 2,239,023 | 6,828 | 7,930 | 14,758 | 2,232,194 | 143 | 2,341,026 | 5,735 | 12,388 | 18,123 | 2,335,291 |
| 144 | 2,232,194 | 6,853 | 7,906 | 14,758 | 2,225,342 | 144 | 2,335,291 | 5,766 | 12,358 | 18,123 | 2,329,525 |
| 145 | 2,225,342 | 6,877 | 7,881 | 14,758 | 2,218,465 | 145 | 2,329,525 | 5,796 | 12,327 | 18,123 | 2,323,729 |
| 146 | 2,218,465 | 6,901 | 7,857 | 14,758 | 2,211,564 | 146 | 2,323,729 | 5,827 | 12,296 | 18,123 | 2,317,902 |
| 147 | 2,211,564 | 6,926 | 7,833 | 14,758 | 2,204,638 | 147 | 2,317,902 | 5,858 | 12,266 | 18,123 | 2,312,044 |
| 148 | 2,204,638 | 6,950 | 7,808 | 14,758 | 2,197,688 | 148 | 2,312,044 | 5,889 | 12,235 | 18,123 | 2,306,155 |
| 149 | 2,197,588 | 6,975 | 7,783 | 14,758 | 2,190,714 | 149 | 2,306,155 | 5,920 | 12,203 | 18,123 | 2,300,235 |


| 150 | 2,190,714 | 6,999 | 7,759 | 14,758 | 2,183,714 | 150 | 2,300,235 | 5,951 | 12,172 | 18,123 | 2,294,284 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 151 | 2,183,714 | 7,024 | 7,734 | 14,758 | 2,176,690 | 151 | 2,294,284 | 5,983 | 12,141 | 18,123 | 2,288,301 |
| 152 | 2,176,690 | 7,049 | 7,709 | 14,758 | 2,169,641 | 152 | 2,288,301 | 6,014 | 12,109 | 18,123 | 2,282,287 |
| 153 | 2,169,641 | 7,074 | 7,684 | 14,758 | 2,162,567 | 153 | 2,282,287 | 6,046 | 12,077 | 18,123 | 2,276,241 |
| 154 | 2,162,567 | 7,099 | 7,659 | 14,758 | 2,155,468 | 154 | 2,276,241 | 6,078 | 12,045 | 18,123 | 2,270,163 |
| 155 | 2,155,458 | 7,124 | 7,634 | 14,758 | 2,148,344 | 155 | 2,270,163 | 6,110 | 12,013 | 18,123 | 2,264,052 |
| 156 | 2,148,344 | 7,149 | 7,609 | 14,758 | 2,141,194 | 156 | 2,264,052 | 6,143 | 11,981 | 18,123 | 2,257,909 |
| 157 | 2,141,194 | 7,175 | 7,583 | 14,758 | 2,134,019 | 157 | 2,257,909 | 6,175 | 11,948 | 18,123 | 2,251,734 |
| 158 | 2,134,019 | 7,200 | 7,558 | 14,758 | 2,126,819 | 158 | 2,251,734 | 5,208 | 11,915 | 18,123 | 2,245,525 |
| 159 | 2,126,819 | 7,226 | 7,532 | 14,758 | 2,119,593 | 159 | 2,245,526 | 6,241 | 11,883 | 18,123 | 2,239,285 |
| 160 | 2,119,593 | 7,251 | 7,507 | 14,758 | 2,112,342 | 160 | 2,239,285 | 6,274 | 11,850 | 18,123 | 2,233,012 |
| 161 | 2,112,342 | 7,277 | 7,481 | 14,758 | 2,105,065 | 161 | 2,233,012 | 6,307 | 11,816 | 18,123 | 2,226,705 |
| 162 | 2,105,065 | 7,303 | 7,455 | 14,758 | 2,097,762 | 162 | 2,226,705 | 6,340 | 11,783 | 18,123 | 2,220,364 |
| 163 | 2,097,762 | 7,329 | 7,430 | 14,758 | 2,090,434 | 163 | 2,220,364 | 6,374 | 11,749 | 18,123 | 2,213,990 |
| 164 | 2,090,434 | 7,355 | 7,404 | 14,758 | 2,083,079 | 164 | 2,213,990 | 6,408 | 11,716 | 18,123 | 2,207,583 |
| 165 | 2,083,079 | 7,381 | 7,378 | 14,758 | 2,075,698 | 165 | 2,207,583 | 6,442 | 11,682 | 18,123 | 2,201,141 |
| 166 | 2,075,698 | 7,407 | 7,351 | 14,758 | 2,068,292 | 166 | 2,201,141 | 6,476 | 11,648 | 18,123 | 2,194,666 |
| 167 | 2,068,292 | 7,433 | 7,325 | 14,758 | 2,060,859 | 167 | 2,194,666 | 6,510 | 11,613 | 18,123 | 2,188,156 |
| 168 | 2,060,859 | 7,459 | 7,299 | 14,758 | 2,053,399 | 168 | 2,188,156 | 6,544 | 11,579 | 18,123 | 2,181,611 |
| 169 | 2,053,399 | 7,486 | 7,272 | 14,758 | 2,045,914 | 169 | 2,181,611 | 6,579 | 11,544 | 18,123 | 2,175,032 |
| 170 | 2,045,914 | 7,512 | 7,246 | 14,758 | 2,038,401 | 170 | 2,175,032 | 6,614 | 11,510 | 18,123 | 2,158,419 |
| 171 | 2,038,401 | 7,539 | 7,219 | 14,758 | 2,030,862 | 171 | 2,168,419 | 6,649 | 11,475 | 18,123 | 2,161,770 |
| 172 | 2,030,862 | 7,566 | 7,193 | 14,758 | 2,023,297 | 172 | 2,161,770 | 6,684 | 11,439 | 18,123 | 2,155,086 |
| 173 | 2,023,297 | 7,592 | 7,166 | 14,758 | 2,015,705 | 173 | 2,155,086 | 6,719 | 11,404 | 18,123 | 2,148,367 |
| 174 | 2,015,705 | 7,619 | 7,139 | 14,758 | 2,008,085 | 174 | 2,148,367 | 6,755 | 11,368 | 18,123 | 2,141,512 |
| 175 | 2,008,085 | 7,646 | 7,112 | 14,758 | 2,000,439 | 175 | 2,141,612 | 6,791 | 11,333 | 18,123 | 2,134,821 |
| 176 | 2,000,439 | 7,673 | 7,085 | 14,758 | 1,992,766 | 176 | 2,134,821 | 6,827 | 11,297 | 18,123 | 2,127,994 |
| 177 | 1,992,766 | 7,700 | 7,058 | 14,758 | 1,985,065 | 177 | 2,127,994 | 6,863 | 11,261 | 18,123 | 2,121,132 |
| 178 | 1,985,065 | 7,728 | 7,030 | 14,758 | 1,977,338 | 178 | 2,121,132 | 6,899 | 11,224 | 18,123 | 2,114,233 |
| 179 | 1,977,338 | 7,755 | 7,003 | 14,758 | 1,969,582 | 179 | 2,114,233 | 6,936 | 11,188 | 18,123 | 2,107,297 |
| 180 | 1,969,582 | 7,783 | 6,976 | 14,758 | 1,961,800 | 180 | 2,107,297 | 6,972 | 11,151 | 18,173 | 2,100,325 |
| 181 | 1,961,800 | 7,810 | 6,948 | 14,758 | 1,953,990 | 181 | 2,100,325 | 7,009 | 11,114 | 18,123 | 2,093,316 |
| 182 | 1,953,990 | 7,838 | 6,920 | 14,758 | 1,946,152 | 182 | 2,093,316 | 7,046 | 11,077 | 18,123 | 2,086,270 |
| 183 | 1,946,152 | 7,866 | 6,893 | 14,758 | 1,938,286 | 183 | 2,086,270 | 7,083 | 11,040 | 18,123 | 2,079,186 |
| 184 | 1,938,286 | 7,893 | 6,865 | 14,758 | 1,930,393 | 184 | 2,079,185 | 7,121 | 11,002 | 18,123 | 2,072,065 |
| 185 | 1,930,393 | 7,921 | 6,837 | 14,758 | 1,922,471 | 185 | 2,072,065 | 7,159 | 10,965 | 18,123 | 2,064,907 |
| 186 | 1,922,471 | 7,949 | 6,809 | 14,758 | 1,914,522 | 186 | 2,064,907 | 7,197 | 10,927 | 18,123 | 2,057,710 |
| 187 | 1,914,522 | 7,978 | 6,781 | 14,758 | 1,906,544 | 187 | 2,057,710 | 7,235 | 10,889 | 18,123 | 2,050,475 |
| 188 | 1,906,544 | 8,006 | 5,752 | 14,758 | 1,898,539 | 188 | 2,050,475 | 7,273 | 10,850 | 18,123 | 2,043,202 |
| 189 | 1,898,539 | 8,034 | 6,724 | 14,758 | 1,890,504 | 189 | 2,043,202 | 7,311 | 10,812 | 18,123 | 2,035,891 |
| 190 | 1,890,504 | 8,063 | 6,695 | 14,758 | 1,882,442 | 190 | 2,035,891 | 7,350 | 10,773 | 18,123 | 2,028,541 |
| 191 | 1,882,442 | 8,091 | 6,667 | 14,758 | 1,874,351 | 191 | 2,028,541 | 7,389 | 10,734 | 18,123 | 2,021,152 |
| 192 | 1,874,351 | 8,120 | 6,638 | 14,758 | 1,856,231 | 192 | 2,021,152 | 7,428 | 10,695 | 18,123 | 2,013,724 |
| 193 | 1,866,231 | 8,149 | 6,610 | 14,758 | 1,858,082 | 193 | 2,013,724 | 7,467 | 10,656 | 18,123 | 2,006,257 |
| 194 | 1,858,082 | 8,177 | 6,581 | 14,758 | 1,849,905 | 194 | 2,006,257 | 7,507 | 10,616 | 18,123 | 1,998,750 |
| 195 | 1,849,905 | 8,206 | 6,552 | 14,758 | 1,841,598 | 195 | 1,998,750 | 7,547 | 10,577 | 18,123 | 1,991,203 |
| 196 | 1,841,698 | 8,236 | 6,523 | 14,758 | 1,833,463 | 196 | 1,991,203 | 7,587 | 10,537 | 18,123 | 1,983,616 |
| 197 | 1,833,463 | 8,265 | 6,494 | 14,758 | 1,825,198 | 197 | 1,983,616 | 7,627 | 10,497 | 18,123 | 1,975,990 |
| 198 | 1,825,198 | 8,294 | 6,464 | 14,758 | 1,816,904 | 198 | 1,975,990 | 7,567 | 10,456 | 18,123 | 1,968,323 |
| 199 | 1,815,904 | 8,323 | 6,435 | 14,758 | 1,808,581 | 199 | 1,968,323 | 7,708 | 10,416 | 18,123 | 1,960,615 |
| 200 | 1,808,581 | 8,353 | 6,405 | 14,758 | 1,800,228 | 200 | 1,960,615 | 7,748 | 10,375 | 18,123 | 1,952,867 |
| 201 | 1,800,228 | 8,382 | 6,376 | 14,758 | 1,791,845 | 201 | 1,952,867 | 7,789 | 10,334 | 18,123 | 1,945,077 |
| 202 | 1,791,845 | 8,412 | 6,346 | 14,758 | 1,783,433 | 202 | 1,945,077 | 7,831 | 10,293 | 18,123 | 1,937,247 |
| 203 | 1,783,433 | 8,442 | 6,316 | 14,758 | 1,774,991 | 203 | 1,937,247 | 7,872 | 10,251 | 18,123 | 1,929,375 |
| 204 | 1,774,991 | 8,472 | 5,286 | 14,758 | 1,766,520 | 204 | 1,929,375 | 7,914 | 10,210 | 18,123 | 1,921,461 |
| 205 | 1,766,520 | 8,502 | 6,256 | 14,758 | 1,758,018 | 205 | 1,921,461 | 7,956 | 10,168 | 18,123 | 1,913,505 |
| 206 | 1,758,018 | 8,532 | 6,226 | 14,758 | 1,749,486 | 206 | 1,913,505 | 7,998 | 10,126 | 18,123 | 1,905,508 |


| 207 | 1,749,486 | 8,562 | 5,196 | 14,758 | 1,740,924 | 207 | 1,905,508 | 8,040 | 10,083 | 18,123 | 1897,467 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 208 | 1,740,924 | 8,592 | 6,166 | 14,758 | 1,732,331 | 208 | 1,897,467 | 8,083 | 10,041 | 18,123 | 1,889,385 |
| 209 | 1,732,331 | 8,623 | 5,135 | 14,758 | 1,723,709 | 209 | 1,889,385 | 8,125 | 9,998 | 18,123 | 1,881,260 |
| 210 | 1,723,709 | 8,653 | 5,105 | 14,758 | 1,715,055 | 210 | 1,881,260 | 8,158 | 9,955 | 18,123 | 1,873,091 |
| 211 | 1,715,055 | 8,684 | 6,074 | 14,758 | 1,706,371 | 211 | 1,873,091 | 8,212 | 9,912 | 18,123 | 1,854,880 |
| 212 | 1,706,371 | 8,715 | 5,043 | 14,758 | 1,697,656 | 212 | 1,864,880 | 8,255 | 9,868 | 18,123 | 1,856,625 |
| 213 | 1,697,656 | 8,746 | 6,013 | 14,758 | 1,688,911 | 213 | 1,856,625 | 8,299 | 9,825 | 18,123 | 1,848,326 |
| 214 | 1,688,911 | 8,777 | 5,982 | 14,758 | 1,680,134 | 214 | 1,848,326 | 8,343 | 9,781 | 18,123 | 1,839,983 |
| 215 | 1,680,134 | 8,808 | 5,950 | 14,758 | 1,671,326 | 215 | 1,839,983 | 8,387 | 9,737 | 18,123 | 1,831,597 |
| 216 | 1,671,326 | 8,839 | 5,919 | 14,758 | 1,652,487 | 216 | 1,831,597 | 8,431 | 9,692 | 18,123 | 1,823,165 |
| 217 | 1,662,487 | 8,870 | 5,888 | 14,758 | 1,653,617 | 217 | 1,823,165 | 8,476 | 9,648 | 18,123 | 1,814,690 |
| 218 | 1,653,617 | 8,902 | 5,857 | 14,758 | 1,644,716 | 218 | 1,814,690 | 8,521 | 9,603 | 18,123 | 1,806,169 |
| 219 | 1,644,716 | 8,933 | 5,825 | 14,758 | 1,635,782 | 219 | 1,806,169 | 8,566 | 9,558 | 18,123 | 1,797,603 |
| 220 | 1,635,782 | 8,965 | 5,793 | 14,758 | 1,626,818 | 220 | 1,797,603 | 8,611 | 9,512 | 18,123 | 1,788,992 |
| 221 | 1,626,818 | 8,997 | 5,762 | 14,758 | 1,617,821 | 221 | 1,788,992 | 8,657 | 9,467 | 18,123 | 1,780,336 |
| 222 | 1,617,821 | 9,028 | 5,730 | 14,758 | 1,508,793 | 222 | 1,780,336 | 8,702 | 9,421 | 18,123 | 1,771,633 |
| 223 | 1,608,793 | 9,060 | 5,698 | 14,758 | 1,599,732 | 223 | 1,771,633 | 8,748 | 9,375 | 18,123 | 1,762,885 |
| 224 | 1,599,732 | 9,092 | 5,666 | 14,758 | 1,590,640 | 224 | 1,762,885 | 8,795 | 9,329 | 18,123 | 1,754,090 |
| 225 | 1,590,540 | 9,125 | 5,634 | 14,758 | 1,581,515 | 225 | 1,754,090 | 8,841 | 9,282 | 18,123 | 1,745,249 |
| 226 | 1,581,515 | 9,157 | 5,601 | 14,758 | 1,572,358 | 226 | 1,745,249 | 8,888 | 9,235 | 18,123 | 1,736,361 |
| 227 | 1,572,358 | 9,189 | 5,569 | 14,758 | 1,563,169 | 227 | 1,736,361 | 8,935 | 9,188 | 18,123 | 1,727,426 |
| 228 | 1,563,169 | 9,222 | 5,536 | 14,758 | 1,553,947 | 228 | 1,727,426 | 8,982 | 9,141 | 18,123 | 1,718,443 |
| 229 | 1,553,947 | 9,255 | 5,504 | 14,758 | 1,544,692 | 229 | 1,718,443 | 9,030 | 9,093 | 18,123 | 1,709,414 |
| 230 | 1,544,692 | 9,287 | 5,471 | 14,758 | 1,535,405 | 230 | 1,709,414 | 9,078 | 9,046 | 18,123 | 1,700,336 |
| 231 | 1,535,405 | 9,320 | 5,438 | 14,758 | 1,526,084 | 231 | 1,700,336 | 9,126 | 8,998 | 18,123 | 1,691,210 |
| 232 | 1,526,084 | 9,353 | 5,405 | 14,758 | 1,516,731 | 232 | 1,691,210 | 9,174 | 8,949 | 18,123 | 1,682,036 |
| 233 | 1,516,731 | 9,386 | 5,372 | 14,758 | 1,507,345 | 233 | 1,682,036 | 9,223 | 8,901 | 18,123 | 1,672,814 |
| 234 | 1,507,345 | 9,420 | 5,339 | 14,758 | 1,497,925 | 234 | 1,672,814 | 9,271 | 8,852 | 18,123 | 1,663,542 |
| 235 | 1,497,925 | 9,453 | 5,305 | 14,758 | 1,488,472 | 235 | 1,663,542 | 9,320 | 8,803 | 18,123 | 1,654,222 |
| 236 | 1,488,472 | 9,487 | 5,272 | 14,758 | 1,478,985 | 235 | 1,654,222 | 9,370 | 8,754 | 18,123 | 1,644,852 |
| 237 | 1,478,985 | 9,520 | 5,238 | 14,758 | 1,469,465 | 237 | 1,644,852 | 9,419 | 8,704 | 18,123 | 1,635,433 |
| 238 | 1,469,465 | 9,554 | 5,204 | 14,758 | 1,459,911 | 238 | 1,635,433 | 9,469 | 8,654 | 18,123 | 1,625,963 |
| 239 | 1,459,911 | 9,588 | 5,171 | 14,758 | 1,450,324 | 239 | 1,625,963 | 9,519 | 8,604 | 18,123 | 1,616,444 |
| 240 | 1,450,324 | 9,622 | 5,137 | 14,758 | 1,440,702 | 240 | 1,616,444 | 9,570 | 8,554 | 18,123 | 1,606,875 |
| 241 | 1,440,702 | 9,655 | 5,102 | 14,758 | 1,431,046 | 241 | 1,606,875 | 9,620 | 8,503 | 18,123 | 1,597,254 |
| 242 | 1,431,046 | 9,690 | 5,068 | 14,758 | 1,421,356 | 242 | 1,597,254 | 9,671 | 8,452 | 18,123 | 1,587,583 |
| 243 | 1,421,356 | 9,724 | 5,034 | 14,758 | 1,411,632 | 243 | 1,587,583 | 9,722 | 8,401 | 18,123 | 1,577,861 |
| 244 | 1,411,632 | 9,759 | 5,000 | 14,758 | 1,401,874 | 244 | 1,577,861 | 9,774 | 8,350 | 18,123 | 1,568,087 |
| 245 | 1,401,874 | 9,793 | 4,965 | 14,758 | 1,392,080 | 245 | 1,568,087 | 9,826 | 8,298 | 18,123 | 1,558,261 |
| 246 | 1,392,080 | 9,828 | 4,930 | 14,758 | 1,382,252 | 246 | 1,558,261 | 9,878 | 8,246 | 18,123 | 1,548,384 |
| 247 | 1,382,252 | 9,863 | 4,895 | 14,758 | 1,372,390 | 247 | 1,548,384 | 9,930 | 8,194 | 18,123 | 1,538,454 |
| 248 | 1,372,390 | 9,898 | 4,861 | 14,758 | 1,362,492 | 248 | 1,538,454 | 9,982 | 8,141 | 18,123 | 1,528,472 |
| 249 | 1,362,492 | 9,933 | 4,825 | 14,758 | 1,352,559 | 249 | 1,528,472 | 10,035 | 8,088 | 18,123 | 1,518,436 |
| 250 | 1,352,559 | 9,968 | 4,790 | 14,758 | 1,342,591 | 250 | 1,518,436 | 10,088 | 8,035 | 18,123 | 1,508,348 |
| 251 | 1,342,591 | 10,003 | 4,755 | 14,758 | 1,332,588 | 251 | 1,508,348 | 10,142 | 7,982 | 18,123 | 1,498,207 |
| 252 | 1,332,588 | 10,039 | 4,720 | 14,758 | 1,322,550 | 252 | 1,498,207 | 10,195 | 7,928 | 18,123 | 1,488,011 |
| 253 | 1,322,550 | 10,074 | 4,684 | 14,758 | 1,312,476 | 253 | 1,488,011 | 10,249 | 7,874 | 18,123 | 1,477,762 |
| 254 | 1,312,476 | 10,110 | 4,548 | 14,758 | 1,302,366 | 254 | 1,477,762 | 10,304 | 7,820 | 18,123 | 1,467,458 |
| 255 | 1,302,366 | 10,146 | 4,613 | 14,758 | 1,292,220 | 255 | 1,467,458 | 10,358 | 7,765 | 18,123 | 1,457,100 |
| 256 | 1,292,220 | 10,182 | 4,577 | 14,758 | 1,282,038 | 256 | 1,457,100 | 10,413 | 7,710 | 18,123 | 1,446,688 |
| 257 | 1,282,038 | 10,218 | 4,541 | 14,758 | 1,271,821 | 257 | 1,446,688 | 10,468 | 7,655 | 18,123 | 1,436,220 |
| 258 | 1,271,821 | 10,254 | 4,504 | 14,758 | 1,261,567 | 258 | 1,436,220 | 10,523 | 7,500 | 18,123 | 1,425,696 |
| 259 | 1,261,567 | 10,290 | 4,468 | 14,758 | 1,251,277 | 259 | 1,425,696 | 10,579 | 7,544 | 18,123 | 1,415,117 |
| 260 | 1,251,277 | 10,327 | 4,432 | 14,758 | 1,240,950 | 260 | 1,415,117 | 10,635 | 7,488 | 18,123 | 1,404,482 |
| 261 | 1,240,950 | 10,363 | 4,395 | 14,758 | 1,230,587 | 261 | 1,404,482 | 10,691 | 7,432 | 18,123 | 1,393,791 |
| 262 | 1,230,587 | 10,400 | 4,358 | 14,758 | 1,220,187 | 262 | 1,393,791 | 10,748 | 7,375 | 18,123 | 1,383,043 |
| 263 | 1,220,187 | 10,437 | 4,321 | 14,758 | 1,209,750 | 263 | 1,383,043 | 10,805 | 7,319 | 18,123 | 1,372,238 |


| 264 | 1,209,750 | 10,474 | 4,285 | 14,758 | 1,199,277 | 264 | 1,372,238 | 10,862 | 7,261 | 18,123 | 1,361,376 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 265 | 1,199,277 | 10,511 | 4,247 | 14,758 | 1,188,766 | 265 | 1,361,375 | 10,519 | 7,204 | 18,123 | 1,350,457 |
| 266 | 1,188,766 | 10,548 | 4,210 | 14,758 | 1,178,218 | 266 | 1,350,457 | 10,977 | 7,146 | 18,123 | 1,339,480 |
| 267 | 1,178,218 | 10,585 | 4,173 | 14,758 | 1,167,633 | 267 | 1,339,480 | 11,035 | 7,088 | 18,123 | 1,328,445 |
| 268 | 1,167,633 | 10,623 | 4.135 | 14,758 | 1,157,010 | 268 | 1,328,445 | 11,094 | 7,030 | 18,123 | 1,317,351 |
| 269 | 1,157,010 | 10,650 | 4,098 | 14,758 | 1,146,349 | 269 | 1,317,351 | 11,152 | 6,971 | 18,123 | 1,306,199 |
| 270 | 1,146,349 | 10,698 | 4,060 | 14,758 | 1,135,651 | 270 | 1,306,199 | 11,211 | 6,912 | 18,123 | 1,294,987 |
| 271 | 1,135,651 | 10,736 | 4,022 | 14,758 | 1,124,915 | 271 | 1,294,987 | 11,271 | 6,853 | 18,123 | 1,283,717 |
| 272 | 1,124,915 | 10,774 | 3,984 | 14,758 | 1,114,141 | 272 | 1,283,717 | 11,330 | 6,793 | 18,123 | 1,272,386 |
| 273 | 1,114,141 | 10,812 | 3,946 | 14,758 | 1,103,329 | 273 | 1,272,386 | 11,390 | 6,733 | 18,123 | 1,260,996 |
| 274 | 1,103,329 | 10,851 | 3,908 | 14,758 | 1,092,478 | 274 | 1,260,996 | 11,451 | 6,673 | 18,123 | 1,249,545 |
| 275 | 1,092,478 | 10,889 | 3,869 | 14,758 | 1,081,589 | 275 | 1,249,545 | 11,511 | 6,612 | 18,123 | 1,238,034 |
| 276 | 1,081,589 | 10,928 | 3,831 | 14,758 | 1,070,662 | 276 | 1,238,034 | 11,572 | 6,551 | 18,123 | 1,226,462 |
| 277 | 1,070,662 | 10,966 | 3,792 | 14,758 | 1,059,695 | 277 | 1,226,462 | 11,633 | 6,490 | 18,123 | 1,214,829 |
| 278 | 1,059,695 | 11,005 | 3,753 | 14,758 | 1,048,690 | 278 | 1,214,829 | 11,695 | 6,428 | 18,123 | 1,203,134 |
| 279 | 1,048,690 | 11,044 | 3,714 | 14,758 | 1,037,646 | 279 | 1,203,134 | 11,757 | 6,367 | 18,123 | 1,191,377 |
| 280 | 1,037,646 | 11,083 | 3,675 | 14,758 | 1,026,563 | 280 | 1,191,377 | 11,819 | 6,304 | 18,123 | 1,179,558 |
| 281 | 1,026,563 | 11,122 | 3,636 | 14,758 | 1,015,440 | 281 | 1,179,558 | 11,882 | 6,242 | 18,123 | 1,167,577 |
| 282 | 1,015,440 | 11,162 | 3,596 | 14,758 | 1,004,279 | 282 | 1,167,677 | 11,944 | 6,179 | 18,123 | 1,155,732 |
| 283 | 1,004,279 | 11,201 | 3,557 | 14,758 | 993,077 | 283 | 1,155,732 | 12,008 | 6,116 | 18,123 | 1,143,725 |
| 284 | 993,077 | 11,241 | 3,517 | 14,758 | 981,836 | 284 | 1,143,725 | 12,071 | 6,052 | 18,123 | 1,131,654 |
| 285 | 981,836 | 11,281 | 3,477 | 14,758 | 970,555 | 285 | 1,131,654 | 12,135 | 5,988 | 18,123 | 1,119,519 |
| 286 | 970,555 | 11,321 | 3,437 | 14,758 | 959,235 | 285 | 1,119,519 | 12,199 | 5,924 | 18,123 | 1,107,319 |
| 287 | 959,235 | 11,361 | 3,397 | 14,758 | 947,874 | 287 | 1,107,319 | 12,264 | 5,860 | 18,123 | 1,095,056 |
| 288 | 947,874 | 11,401 | 3,357 | 14,758 | 936,47 | 288 | 1,095,056 | 12,329 | 5,795 | 18,123 | 1,082,727 |
| 289 | 936,472 | 11,442 | 3,317 | 14,758 | 925,031 | 289 | 1,082,727 | 12,394 | 5,729 | 18,123 | 1,070,333 |
| 290 | 925,031 | 11,482 | 3,276 | 14,758 | 913,549 | 290 | 1,070,333 | 12,459 | 5,664 | 18,123 | 1,057,874 |
| 291 | 913,549 | 11,523 | 3,235 | 14,758 | 902,026 | 291 | 1,057,874 | 12,525 | 5,598 | 18,123 | 1,045,348 |
| 292 | 902,026 | 11,564 | 3,195 | 14,758 | 890,463 | 292 | 1,045,348 | 12,592 | 5,532 | 18,123 | 1,032,756 |
| 293 | 890,463 | 11,604 | 3,154 | 14,758 | 878,858 | 293 | 1,032,756 | 12,658 | 5,465 | 18,123 | 1,020,098 |
| 294 | 878,858 | 11,546 | 3,213 | 14,758 | 867,213 | 294 | 1,020,098 | 12,725 | 5,398 | 18,123 | 1,007,373 |
| 295 | 867,213 | 11,687 | 3,071 | 14,758 | 855,526 | 295 | 1,007,373 | 12,793 | 5,331 | 18,123 | 994,580 |
| 296 | 855,526 | 11,728 | 3,030 | 14,758 | 843,798 | 296 | 994,580 | 12,860 | 5,263 | 18,123 | 981,720 |
| 297 | 843,798 | 11,770 | 2,988 | 14,758 | 832,028 | 297 | 981,720 | 12,928 | 5,195 | 18,123 | 968,791 |
| 298 | 832,028 | 11,811 | 2,947 | 14,758 | 820,216 | 298 | 968,791 | 12,997 | 5,127 | 18,123 | 955,795 |
| 299 | 820,216 | 11,853 | 2,905 | 14,758 | 808,363 | 299 | 955,795 | 13,066 | 5,058 | 18,223 | 942,729 |
| 300 | 808,363 | 11,895 | 2,863 | 14,758 | 796,468 | 300 | 942,729 | 13,135 | 4,989 | 18,123 | 929,594 |
| 301 | 796,468 | 11,937 | 2,821 | 14,758 | 784,531 | 301 | 929,594 | 13,204 | 4,919 | 18,123 | 916,390 |
| 302 | 784,531 | 11,980 | 2,779 | 14,758 | 772,551 | 302 | 916,390 | 13,274 | 4,849 | 18,123 | 903,116 |
| 303 | 772,551 | 12,072 | 2,736 | 14,758 | 760,529 | 303 | 903,116 | 13,344 | 4,779 | 18,123 | 889,772 |
| 304 | 760,529 | 12,065 | 2,694 | 14,758 | 748,464 | 304 | 889,772 | 13,415 | 4,708 | 18,123 | 876,357 |
| 305 | 748,464 | 12,107 | 2,651 | 14,758 | 736,357 | 305 | 876,357 | 13,486 | 4,637 | 18,123 | 862,871 |
| 306 | 736,357 | 12,150 | 2,608 | 14,758 | 724,207 | 306 | 862,871 | 13,557 | 4,566 | 18,123 | 849,313 |
| 307 | 724,207 | 12,193 | 2,565 | 14,758 | 712,013 | 307 | 849,313 | 13,529 | 4,494 | 18,123 | 835,684 |
| 308 | 712,013 | 12,236 | 2,522 | 14,758 | 699,777 | 308 | 835,684 | 13,701 | 4,422 | 18,323 | 821,983 |
| 309 | 699,777 | 12,280 | 2,478 | 14,758 | 687,497 | 309 | 821,983 | 13,774 | 4,350 | 18,123 | 808,209 |
| 310 | 687,497 | 12,323 | 2,435 | 14,758 | 675,174 | 310 | 808,209 | 13,847 | 4,277 | 18,123 | 794,363 |
| 311 | 675,174 | 12,367 | 2,391 | 14,758 | 662,807 | 311 | 794,363 | 13,920 | 4,204 | 18,123 | 780,443 |
| 312 | 662,807 | 12,411 | 2,347 | 14,758 | 650,396 | 312 | 780,443 | 13,993 | 4,130 | 18,123 | 766,450 |
| 313 | 650,396 | 12,455 | 2,303 | 14,758 | 637,941 | 313 | 766,450 | 14,068 | 4,056 | 18,123 | 752,382 |
| 314 | 637,941 | 12,499 | 2,259 | 14,758 | 625,442 | 314 | 752,382 | 14,142 | 3,981 | 18,123 | 738,240 |
| 315 | 625,442 | 12,543 | 2,215 | 14,758 | 612,899 | 315 | 738,240 | 14,217 | 3,907 | 18,123 | 724,023 |
| 316 | 612,899 | 12,588 | 2,171 | 14,758 | 600,312 | 316 | 724,023 | 14,292 | 3,831 | 18,123 | 709,731 |
| 317 | 600,312 | 12,632 | 2,126 | 14,758 | 587,680 | 317 | 709,731 | 14,368 | 3,756 | 18,123 | 695,363 |
| 318 | 587,680 | 12,677 | 2,081 | 14,758 | 575,003 | 318 | 695,363 | 14,444 | 3,680 | 18,123 | 680,920 |
| 319 | 575,003 | 12,722 | 2,036 | 14,758 | 562,281 | 319 | 580,920 | 14,520 | 3,603 | 18,123 | 666,400 |
| 320 | 562,281 | 12,767 | 1,991 | 14,758 | 549,514 | 320 | 666,400 | 14,597 | 3,526 | 18,123 | 651,803 |


| 321 | 549,514 | 12,812 | 1,946 | 14,758 | 536,702 | 321 | 651,803 | 14,674 | 3,449 | 18,123 | 637,128 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 322 | 536,702 | 12,857 | 1,901 | 14,758 | 523,845 | 322 | 637,128 | 14,752 | 3,371 | 18,123 | 622,377 |
| 323 | 523,845 | 12,903 | 1,855 | 14,758 | 510,942 | 323 | 622,377 | 14,830 | 3,293 | 18,123 | 607,547 |
| 324 | 510,942 | 12,949 | 1,810 | 14,758 | 497,993 | 324 | 607,547 | 14,908 | 3,215 | 18,123 | 592,638 |
| 325 | 497,993 | 12,994 | 1,754 | 14,758 | 484,999 | 325 | 592,638 | 14,987 | 3,136 | 18,123 | 577,651 |
| 326 | 484,999 | 13,040 | 1,718 | 14,758 | 471,958 | 326 | 577,651 | 15,067 | 3,057 | 18,123 | 562,584 |
| 327 | 471,958 | 13,087 | 1,672 | 14,758 | 458,872 | 327 | 562,584 | 15,146 | 2,977 | 18,123 | 547,438 |
| 328 | 458,872 | 13,133 | 1,625 | 14,758 | 445,739 | 328 | 547,438 | 15,226 | 2,897 | 18,123 | 532,212 |
| 329 | 445,739 | 13,180 | 1,579 | 14,758 | 432,559 | 329 | 532,212 | 15,307 | 2,816 | 18,123 | 516,904 |
| 330 | 432,559 | 13,226 | 1,532 | 14,758 | 419,333 | 330 | 516,904 | 15,388 | 2,735 | 18,123 | 501,516 |
| 331 | 419,333 | 13,273 | 1,485 | 14,758 | 406,060 | 331 | 501,516 | 15,469 | 2,654 | 18,123 | 486,047 |
| 332 | 406,060 | 13,320 | 1,438 | 14,758 | 392,740 | 332 | 486,047 | 15,551 | 2,572 | 18,123 | 470,496 |
| 333 | 392,740 | 13,367 | 1,391 | 14,758 | 379,373 | 333 | 470,496 | 15,634 | 2,490 | 18,123 | 454,862 |
| 334 | 379,373 | 13,415 | 1,344 | 14,758 | 365,958 | 334 | 454,862 | 15,716 | 2,407 | 18,123 | 439,146 |
| 335 | 365,958 | 13,462 | 1,296 | 14,758 | 352,496 | 335 | 439,146 | 15,800 | 2,324 | 18,123 | 423,346 |
| 336 | 352,496 | 13,510 | 1,248 | 14,758 | 338,986 | 336 | 423,346 | 15,883 | 2,240 | 18,123 | 407,463 |
| 337 | 338,986 | 13,558 | 1.201 | 14,758 | 325,429 | 337 | 407,463 | 15,967 | 2,156 | 18,123 | 391,496 |
| 338 | 325,429 | 13,606 | 1,153 | 14,758 | 311,823 | 338 | 391,496 | 16,052 | 2,072 | 18,123 | 375,444 |
| 339 | 311,823 | 13,654 | 1,104 | 14,758 | 298,169 | 339 | 375,444 | 16,137 | 1,987 | 18,123 | 359,308 |
| 340 | 298,169 | 13,702 | 1;056 | 14,758 | 284,467 | 340 | 359,308 | 16,222 | 1,901 | 18,123 | 343,086 |
| 341 | 284,467 | 13,751 | 1,007 | 14,758 | 270,716 | 341 | 343,086 | 16,308 | 1,815 | 18,123 | 326,778 |
| 342 | 270,716 | 13,799 | 959 | 14,758 | 256,917 | 342 | 326,778 | 16,394 | 1,729 | 18,123 | 310,384 |
| 343 | 256,917 | 13,848 | 910 | 14,758 | 243,068 | 343 | 310,384 | 16,482 | 1,542 | 18,123 | 293,903 |
| 344 | 243,068 | 13,897 | 861 | 14,758 | 229,171 | 344 | 293,903 | 16,568 | 1,555 | 18,123 | 277,335 |
| 345 | 229,171 | 13,947 | 812 | 14,758 | 215,225 | 345 | 277,335 | 16,656 | 1,468 | 18,123 | 260,679 |
| 346 | 215,225 | 13,996 | 762 | 14,758 | 201,229 | 346 | 260,679 | 16,744 | 1,379 | 18,123 | 243,935 |
| 347 | 201,229 | 14,046 | 713 | 14,758 | 187,183 | 347 | 243,935 | 16,833 | 1,201 | 18,123 | 227,102 |
| 348 | 187,183 | 14,095 | 663 | 14,758 | 173,088 | 348 | 227,102 | 16,922 | 1,202 | 18,123 | 210,181 |
| 349 | 173,088 | 14,145 | 613 | 14,758 | 158,943 | 349 | 210,181 | 17,011 | 1,112 | 18,123 | 193,170 |
| 350 | 158,943 | 14,195 | 563 | 14,758 | 144,747 | 350 | 193,270 | 17,101 | 1,022 | 18,123 | 176,068 |
| 351 | 144,747 | 14,246 | 513 | 14,758 | 130,502 | 351 | 176,068 | 17,192 | 932 | 18,123 | 158,877 |
| 352 | 130,502 | 14,296 | 462 | 14,758 | 116,206 | 352 | 158,877 | 17,283 | 841 | 18,123 | 141,594 |
| 353 | 116,206 | 14,347 | 412 | 14,758 | 101,859 | 353 | 141,594 | 17,374 | 749 | 18,123 | 124,220 |
| 354 | 101,859 | 14,397 | 361 | 14,758 | 87,462 | 354 | 124,220 | 17,466 | 657 | 18,123 | 105,754 |
| 355 | 87,462 | 14,448 | 310 | 14,758 | 73,013 | 355 | 106,754 | 17,558 | 565 | 18,123 | 89,196 |
| 356 | 73,013 | 14,500 | 259 | 14,758 | 58,514 | 356 | 89,196 | 17,651 | 472 | 18,123 | 71,544 |
| 357 | 58,514 | 14,551 | 207 | 14,758 | 43,963 | 357 | 71,544 | 17,745 | 379 | 18,123 | 53,800 |
| 358 | 43,963 | 14,602 | 156 | 14,758 | 29,360 | 358 | 53,800 | 17,839 | 285 | 18,123 | 35,961 |
| 359 | 29,360 | 14,654 | 104 | 14,758 | 14,706 | 359 | 35,961 | 17,933 | 190 | 18,123 | 18,028 |
| 360 | 14,706 | 14,706 | 52 | 14,758 | 0 | 360 | 18,028 | 18,028 | 95 | 18,123 | 0 |


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| Sismmary |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Loan Amount | 3,000,000 |  |  |  |  |
| Rate | 6.00\% |  |  |  |  |
| Term (yrs) | 15 |  |  |  |  |
| Amortization (yrs) | 30 |  |  |  |  |
| min DSCR | 1.15 |  |  |  |  |
| Comerica Bank |  |  |  |  |  |
| Rate | 6.00\% |  |  |  |  |
| Term | 15 years |  | perm loan amount | 3,000,000 |  |
| Amort | 30 years |  | Orig Fee | N/A |  |
| Payment | 17,987 per month |  |  |  |  |
| Balance due at end of term |  | 2,131,465 |  |  |  |
| Month | Beginning Balanice | Principal | Interest - | Payment | Ending Balante |
|  | 3,000,000 | 2,987 | 15,000 | 17,987 | 2,997,013 |
| 2 | 2,997,013 | 3,001 | 14,985 | 17,987 | 2,994,012 |
| 3 | 2,994,012 | 3,016 | 14,970 | 17,987 | 2,990,996 |
| 4 | 2,990,996 | 3,032 | 14,955 | 17,987 | 2,987,964 |
| 5 | 2,987,964 | 3,047 | 14,940 | 17,987 | 2,984,917 |
| 6 | 2,984,917 | 3,062 | 14,925 | 17,987 | 2,981,855 |
|  | 2,981,855 | 3,077 | 14,909 | 17,987 | 2,978,778 |
| 8 | 2,978,778 | 3,093 | 14,894 | 17,987 | 2,975,686 |
|  | 2,975,686 | 3,108 | 14,878 | 17,987 | 2,972,577 |
| 10 | 2,972,577 | 3,124 | 14,863 | 17,987 | 2,969,454 |
|  | 2,969,454 | 3,139 | 14,847 | 17,987 | 2,966,315 |
| 12 | 2,966,315 | 3,155 | 14,832 | 17,987 | 2,963,160 |
|  | 2,963,160 | 3,171 | 14,816 | 17,987 | 2,959,989 |
| 14 | 2,959,989 | 3,187 | 14,800 | 17,987 | 2,956,802 |
|  | 2,956,802 | 3,203 | 14,784 | 17,987 | 2,953,600 |
| 16 | 2,953,600 | 3,219 | 14,768 | 17,987 | 2,950,381 |
|  | 2,950,381 | 3,235 | 14,752 | 17,987 | 2,947,147 |
| 18 | 2,947,147 | 3,251 | 14,736 | 17,987 | 2,943,896 |
|  | 2,943,896 | 3,267 | 14,719 | 17,987 | 2,940,629 |
| 20 | 2,940,629 | 3,283 | 14,703 | 17,987 | 2,937,346 |
|  | 2,937,346 | 3,300 | 14,687 | 17,987 | 2,934,046 |
| 22 | 2,934,046 | 3,316 | 14,570 | 17,987 | 2,930,729 |
|  | 2,930,729 | 3,333 | 14,654 | 17,987 | 2,927,397 |
| 24 | 2,927,397 | 3,350 | 14,637 | 17,987 | 2,924,047 |
|  | 2,924,047 | 3,366 | 14,620 | 17,987 | 2,920,681 |
| 26 | 2,920,681 | 3,383 | 14,603 | 17,987 | 2,917,298 |
| 27 | 2,917,298 | 3,400 | 14,586 | 17,987 | 2,913,898 |
|  | 2,913,898 | 3,417 | 14,569 | 17,987 | 2,910,481 |
| 29 | 2,910,481 | 3,434 | 14,552 | 17,987 | 2,907,047 |


| 30 | 2,907,047 | 3,451 | 14,535 | 17,987 | 2,903,595 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 31 | 2,903,595 | 3,469 | 14,518 | 17,987 | 2,900,127 |
| 32 | 2,900,127 | 3,486 | 14,501 | 17,987 | 2,896,641 |
| 33 | 2,896,641 | 3,503 | 14,483 | 17,987 | 2,893,137 |
| 34 | 2,893,137 | 3,521 | 14,466 | 17,987 | 2,889,617 |
| 35 | 2,889,617 | 3,538 | 14,448 | 17,987 | 2,886,078 |
| 36 | 2,886,078 | 3,556 | 14,430 | 17,987 | 2,882,522 |
| 37 | 2,882,522 | 3,574 | 14,413 | 17,987 | 2,878,948 |
| 38 | 2,878,948 | 3,592 | 14,395 | 17,987 | 2,875,356 |
| 39 | 2,875,356 | 3,610 | 14,377 | 17,987 | 2,871,747 |
| 40 | 2,871,747 | 3,628 | 14,359 | 17,987 | 2,868,119 |
| 41 | 2,868,119 | 3,646 | 14,341 | 17,987 | 2,864,473 |
| 42 | 2,864,473 | 3,664 | 14,322 | 17,987 | 2,860,809 |
| 43 | 2,860,809 | 3,682 | 14,304 | 17,987 | 2,857,126 |
| 44 | 2,857,126 | 3,701 | 14,286 | 17,987 | 2,853,425 |
| 45 | 2,853,425 | 3,719 | 14,267 | 17,987 | 2,849,706 |
| 45 | 2,849,706 | 3,738 | 14,249 | 17,987 | 2,845,968 |
| 47 | 2,845,968 | 3,757 | 14,230 | 17,987 | 2,842,211 |
| 48 | 2,842,211 | 3,775 | 14,211 | 17,987 | 2,838,436 |
| 49 | 2,838,436 | 3,794 | 14,192 | 17,987 | 2,834,642 |
| 50 | 2,834,642 | 3,813 | 14,173 | 17,987 | 2,830,828 |
| 51 | 2,830,828 | 3,832 | 14,154 | 17,987 | 2,826,996 |
| 52 | 2,826,996 | 3,852 | 14,135 | 17,987 | 2,823,144 |
| 53 | 2,823,144 | 3,871 | 14,116 | 17,987 | 2,819,274 |
| 54 | 2,819,274 | 3,890 | 14,096 | 17,987 | 2,815,383 |
| 55 | 2,815,383 | 3,910 | 14,077 | 17,987 | 2,811,474 |
| 56 | 2,811,474 | 3,929 | 14,057 | 17,987 | 2,807,545 |
| 57 | 2,807,545 | 3,949 | 14,038 | 17,987 | 2,803,596 |
| 58 | 2,803,596 | 3,969 | 14,018 | 17,987 | 2,799,627 |
| 59 | 2,799,627 | 3,988 | 13,998 | 17,987 | 2,795,639 |
| 60 | 2,795,639 | 4,008 | 13,978 | 17,987 | 2,791,631 |
| 51 | 2,791,631 | 4,028 | 13,958 | 17,987 | 2,787,602 |
| 52 | 2,787,602 | 4,049 | 13,938 | 17,987 | 2,783,554 |
| 63 | 2,783,554 | 4,069 | 13,918 | 17,987 | 2,779,485 |
| 64 | 2,779,485 | 4,089 | 13,897 | 17,987 | 2,775,396 |
| 55 | 2,775,396 | 4,110 | 13,877 | 17,987 | 2,771,286 |
| 66 | 2,771,286 | 4,130 | 13,856 | 17,987 | 2,767,156 |
| 67 | 2,767,156 | 4,151 | 13,836 | 17,987 | 2,763,006 |
| 68 | 2,763,006 | 4,171 | 13,815 | 17,987 | 2,758,834 |
| 69 | 2,758,834 | 4,192 | 13,794 | 17,987 | 2,754,642 |
| 70 | 2,754,642 | 4,213 | 13,773 | 17,987 | 2,750,429 |
| 71 | 2,750,429 | 4,234 | 13,752 | 17,987 | 2,746,194 |
| 72 | 2,746,194 | 4,256 | 13,731 | 17,987 | 2,741,939 |
| 73 | 2,741,939 | 4,277 | 13,710 | 17,987 | 2,737,662 |
| 74 | 2,737,662 | 4,298 | 13,688 | 17,987 | 2,733,364 |
| 75 | 2,733,364 | 4,320 | 13,667 | 17,987 | 2,729,044 |
| 76 | 2,729,044 | 4,341 | 13,645 | 17,987 | 2,724,703 |
| 77 | 2,724,703 | 4,363 | 13,624 | 17,987 | 2,720,340 |
| 78 | 2,720,340 | 4,385 | 13,602 | 17,987 | 2,715,955 |


| 79 | 2,715,955 | 4,407 | 13,580 | 17,987 | 2,711,548 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 80 | 2,711,548 | 4,429 | 13,558 | 17,987 | 2,707,119 |
| 81 | 2,707,119 | 4,451 | 13,536 | 17,987 | 2,702,668 |
| 82 | 2,702,668 | 4,473 | 13,513 | 17,987 | 2,698,195 |
| 83 | 2,698,195 | 4,496 | 13,491 | 17,987 | 2,693,700 |
| 84 | 2,693,700 | 4,518 | 13,468 | 17,987 | 2,689,182 |
| 85 | 2,689,182 | 4,541 | 13,446 | 17,987 | 2,684,641 |
| 85 | 2,684,641 | 4,563 | 13,423 | 17,987 | 2,680,078 |
| 87 | 2,680,078 | 4,586 | 13,400 | 17,987 | 2,675,492 |
| 88 | 2,675,492 | 4,609 | 13,377 | 17,987 | 2,670,882 |
| 89 | 2,670,882 | 4,632 | 13,354 | 17,987 | 2,666,250 |
| 90 | 2,666,250 | 4,655 | 13,331 | 17,987 | 2,661,595 |
| 91 | 2,661,595 | 4,579 | 13,308 | 17,987 | 2,656,917 |
| 92 | 2,656,917 | 4,702 | 13,285 | 17,987 | 2,652,215 |
| 93 | 2,652,215 | 4,725 | 13,261 | 17,987 | 2,647,489 |
| 94 | 2,647,489 | 4,749 | 13,237 | 17,987 | 2,642,740 |
| 95 | 2,642,740 | 4,773 | 13,214 | 17,987 | 2,637,967 |
| 96 | 2,637,967 | 4,797 | 13,190 | 17,987 | 2,633,171 |
| 97 | 2,633,171 | 4,821 | 13,166 | 17,987 | 2,628,350 |
| 98 | 2,628,350 | 4,845 | 13,142 | 17,987 | 2,623,505 |
| 99 | 2,623,505 | 4,869 | 13,118 | 17,987 | 2,618,636 |
| 100 | 2,618,636 | 4,893 | 13,093 | 17,987 | 2,613,743 |
| 101 | 2,613,743 | 4,918 | 13,069 | 17,987 | 2,608,825 |
| 102 | 2,608,825 | 4,942 | 13,044 | 17,987 | 2,603,883 |
| 103 | 2,603,883 | 4,967 | 13,019 | 17,987 | 2,598,916 |
| 104 | 2,598,916 | 4,992 | 12,995 | 17,987 | 2,593,924 |
| 105 | 2,593,924 | 5,017 | 12,970 | 17,987 | 2,588,907 |
| 106 | 2,588,907 | 5,042 | 12,945 | 17,987 | 2,583,865 |
| 107 | 2,583,865 | 5,067 | 12,919 | 17,987 | 2,578,798 |
| 108 | 2,578,798 | 5,093 | 12,894 | 17,987 | 2,573,705 |
| 109 | 2,573,705 | 5,118 | 12,869 | 17,987 | 2,568,587 |
| 110 | 2,568,587 | 5,144 | 12,843 | 17,987 | 2,563,443 |
| 111 | 2,563,443 | 5,169 | 12,817 | 17,987 | 2,558,274 |
| 112 | 2,558,274 | 5,195 | 12,791 | 17,987 | 2,553,079 |
| 113 | 2,553,079 | 5,221 | 12,765 | 17,987 | 2,547,858 |
| 114 | 2,547,858 | 5,247 | 12,739 | 17,987 | 2,542,611 |
| 115 | 2,542,611 | 5,273 | 12,713 | 17,987 | 2,537,337 |
| 116 | 2,537,337 | 5,300 | 12,687 | 17,987 | 2,532,037 |
| 117 | 2,532,037 | 5,326 | 12,660 | 17,987 | 2,526,711 |
| 118 | 2,526,711 | 5,353 | 12,634 | 17,987 | 2,521,358 |
| 119 | 2,521,358 | 5,380 | 12,607 | 17,987 | 2,515,978 |
| 120 | 2,515,978 | 5,407 | 12,580 | 17,987 | 2,510,572 |
| 121 | 2,510,572 | 5,434 | 12,553 | 17,987 | 2,505,138 |
| 122 | 2,505,138 | 5,461 | 12,526 | 17,987 | 2,499,677 |
| 123 | 2,499,677 | 5,488 | 12,498 | 17,987 | 2,494,189 |
| 124 | 2,494,189 | 5,516 | 12,471 | 17,987 | 2,488,674 |
| 125 | 2,488,674 | 5,543 | 12,443 | 17,987 | 2,483,130 |
| 126 | 2,483,130 | 5,571 | 12,416 | 17,987 | 2,477,560 |
| 127 | 2,477,560 | 5,599 | 12,388 | 17,987 | 2,471,961 |


| 128 | 2,471,961 | 5,627 | 12,360 | 17,987 | 2,466,334 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 129 | 2,466,334 | 5,655 | 12,332 | 17,987 | 2,460,679 |
| 130 | 2,460,679 | 5,683 | 12,303 | 17,987 | 2,454,996 |
| 131 | 2,454,996 | 5,712 | 12,275 | 17,987 | 2,449,285 |
| 132 | 2,449,285 | 5,740 | 12,246 | 17,987 | 2,443,545 |
| 133 | 2,443,545 | 5,769 | 12,218 | 17,987 | 2,437,776 |
| 134 | 2,437,776 | 5,798 | 12,189 | 17,987 | 2,431,978 |
| 135 | 2,431,978 | 5,827 | 12,160 | 17,987 | 2,426,151 |
| 136 | 2,426,151 | 5,856 | 12,131 | 17,987 | 2,420,296 |
| 137 | 2,420,296 | 5,885 | 12,101 | 17,987 | 2,414,411 |
| 138 | 2,414,411 | 5,914 | 12,072 | 17,987 | 2,408,496 |
| 139 | 2,408,496 | 5,944 | 12,042 | 17,987 | 2,402,552 |
| 140 | 2,402,552 | 5,974 | 12,013 | 17,987 | 2,396,578 |
| 141 | 2,396,578 | 6,004 | 11,983 | 17,987 | 2,390,575 |
| 142 | 2,390,575 | 6,034 | 11,953 | 17,987 | 2,384,541 |
| 143 | 2,384,541 | 6,064 | 11,923 | 17,987 | 2,378,477 |
| 144 | 2,378,477 | 6,094 | 11,892 | 17,987 | 2,372,383 |
| 145 | 2,372,383 | 6,125 | 11,862 | 17,987 | 2,366,259 |
| 146 | 2,366,259 | 6,155 | 11,831 | 17,987 | 2,360,103 |
| 147 | 2,360,103 | 6,186 | 11,801 | 17,987 | 2,353,917 |
| 148 | 2,353,917 | 6,217 | 11,770 | 17,987 | 2,347,700 |
| 149 | 2,347,700 | 6,248 | 11,739 | 17,987 | 2,341,452 |
| 150 | 2,341,452 | 6,279 | 11,707 | 17,987 | 2,335,173 |
| 151 | 2,335,173 | 6,311 | 11,676 | 17,987 | 2,328,863 |
| 152 | 2,328,863 | 6,342 | 11,644 | 17,987 | 2,322,520 |
| 153 | 2,322,520 | 6,374 | 11,613 | 17,987 | 2,316,146 |
| 154 | 2,316,146 | 6,406 | 11,581 | 17,987 | 2,309,741 |
| 155 | 2,309,741 | 6,438 | 11,549 | 17,987 | 2,303,303 |
| 156 | 2,303,303 | 6,470 | 11,517 | 17,987 | 2,296,833 |
| 157 | 2,296,833 | 6,502 | 11,484 | 17,987 | 2,290,330 |
| 158 | 2,290,330 | 6,535 | 11,452 | 17,987 | 2,283,796 |
| 159 | 2,283,796 | 6,568 | 11,419 | 17,987 | 2,277,228 |
| 160 | 2,277,228 | 6,600 | 11,386 | 17,987 | 2,270,628 |
| 161 | 2,270,628 | 6,633 | 11,353 | 17,987 | 2,263,994 |
| 152 | 2,263,994 | 6,667 | 11,320 | 17,987 | 2,257,328 |
| 163 | 2,257,328 | 6,700 | 11,287 | 17,987 | 2,250,628 |
| 164 | 2,250,628 | 6,733 | 11,253 | 17,987 | 2,243,895 |
| 165 | 2,243,895 | 6,767 | 11,219 | 17,987 | 2,237,128 |
| 166 | 2,237,128 | 6,801 | 11,186 | 17,987 | 2,230,327 |
| 167 | 2,230,327 | 6,835 | 11,152 | 17,987 | 2,223,492 |
| 168 | 2,223,492 | 6,869 | 11,117 | 17,987 | 2,216,623 |
| 169 | 2,216,623 | 6,903 | 11,083 | 17,987 | 2,209,719 |
| 170 | 2,209,719 | 6,938 | 11,049 | 17,987 | 2,202,781 |
| 171 | 2,202,781 | 6,973 | 11,014 | 17,987 | 2,195,809 |
| 172 | 2,195,809 | 7,007 | 10,979 | 17,987 | 2,188,801 |
| 173 | 2,188,801 | 7,043 | 10,944 | 17,987 | 2,181,759 |
| 174 | 2,181,759 | 7,078 | 10,509 | 17,987 | 2,174,681 |
| 175 | 2,174,681 | 7,113 | 10,873 | 17,987 | 2,167,568 |
| 176 | 2,167,568 | 7,149 | 10,838 | 17,987 | 2,160,419 |


| 177 | 2,160,419 | 7,184 | 10,802 | 17,987 | 2,153,235 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 178 | 2,153,235 | 7,220 | 10,765 | 17,987 | 2,146,015 |
| 179 | 2,146,015 | 7,256 | 10,730 | 17,987 | 2,138,758 |
| 180 | 2,138,758 | 7,293 | 10,694 | 17,987 | 2,131,465 |
| 181 | 2,131,465 | 7,329 | 10,657 | 17,987 | 2,124,136 |
| 182 | 2,124,136 | 7,366 | 10,621 | 17,987 | 2,116,770 |
| 183 | 2,116,770 | 7,403 | 10,584 | 17,987 | 2,109,368 |
| 184 | 2,109,368 | 7,440 | 10,547 | 17,987 | 2,101,928 |
| 185 | 2,101,928 | 7,477 | 10,510 | 17,987 | 2,094,451 |
| 186 | 2,094,451 | 7,514 | 10,472 | 17,987 | 2,086,937 |
| 187 | 2,086,937 | 7,552 | 10,435 | 17,987 | 2,079,385 |
| 188 | 2,079,385 | 7,590 | 10,397 | 17,987 | 2,071,795 |
| 189 | 2,071,795 | 7,628 | 10,359 | 17,987 | 2,064,168 |
| 190 | 2,064,168 | 7,656 | 10,321 | 17,987 | 2,056,502 |
| 191 | 2,056,502 | 7,704 | 10,283 | 17,987 | 2,048,798 |
| 192 | 2,048,798 | 7,743 | 10,244 | 17,987 | 2,041,056 |
| 193 | 2,041,056 | 7,781 | 10,205 | 17,987 | 2,033,274 |
| 194 | 2,033,274 | 7,820 | 10,166 | 17,987 | 2,025,454 |
| 195 | 2,025,454 | 7,859 | 10,127 | 17,987 | 2,017,595 |
| 196 | 2,017,595 | 7,899 | 10,088 | 17,987 | 2,009,696 |
| 197 | 2,009,696 | 7,938 | 10,048 | 17,987 | 2,001,758 |
| 198 | 2,001,758 | 7,978 | 10,009 | 17,987 | 1,993,781 |
| 199 | 1,993,781 | 8,018 | 9,969 | 17,987 | 1,985,763 |
| 200 | 1,985,763 | 8,058 | 9,929 | 17,987 | 1,977,705 |
| 201 | 1,977,705 | 8,098 | 9,889 | 17,987 | 1,969,607 |
| 202 | 1,969,607 | 8,138 | 9,848 | 17,987 | 1,961,469 |
| 203 | 1,961,469 | 8,179 | 9,807 | 17,987 | 1,953,290 |
| 204 | 1,953,290 | 8,220 | 9,766 | 17,987 | 1,945,070 |
| 205 | 1,945,070 | 8,261 | 9,725 | 17,987 | 1,936,809 |
| 206 | 1,936,809 | 8,302 | 9,684 | 17,987 | 1,928,506 |
| 207 | 1,928,506 | 8,344 | 9,643 | 17,987 | 1,920,162 |
| 208 | 1,920,162 | 8,386 | 9,601 | 17,987 | 1,911,776 |
| 209 | 1,911,776 | 8,428 | 9,559 | 17,987 | 1,903,349 |
| 210 | 1,903,349 | 8,470 | 9,517 | 17,987 | 1,894,879 |
| 211 | 1,894,879 | 8,512 | 9,474 | 17,987 | 1,886,367 |
| 212 | 1,886,367 | 8,555 | 9,432 | 17,987 | 1,877,812 |
| 213 | 1,877,812 | 8,597 | 9,389 | 17,987 | 1,869,215 |
| 214 | 1,869,215 | 8,640 | 9,346 | 17,987 | 1,860,574 |
| 215 | 1,860,574 | 8,684 | 9,303 | 17,987 | 1,851,891 |
| 216 | 1,851,891 | 8,727 | 9,259 | 17,987 | 1,843,164 |
| 217 | 1,843,164 | 8,771 | 9,216 | 17,987 | 1,834,393 |
| 218 | 1,834,393 | 8,815 | 9,172 | 17,987 | 1,825,578 |
| 219 | 1,825,578 | 8,859 | 9,128 | 17,987 | 1,816,720 |
| 220 | 1,816,720 | 8,903 | 9,084 | 17,987 | 1,807,817 |
| 221 | 1,807,817 | 8,947 | 9,039 | 17,987 | 1,798,869 |
| 222 | 1,798,869 | 8,992 | 8,994 | 17,987 | 1,789,877 |
| 223 | 1,789,877 | 9,037 | 8,949 | 17,987 | 1,780,840 |
| 224 | 1,780,840 | 9,082 | 8,904 | 17,987 | 1,771,758 |
| 225 | 1,771,758 | 9,128 | 8,859 | 17,987 | 1,752,630 |


| 226 | 1,762,630 | 9,173 | 8,813 | 17,987 | 1,753,457 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 227 | 1,753,457 | 9,219 | 8,767 | 17,987 | 1,744,237 |
| 228 | 1,744,237 | 9,265 | 8,721 | 17,987 | 1,734,972 |
| 229 | 1,734,972 | 9,312 | 8,675 | 17,987 | 1,725,660 |
| 230 | 1,725,660 | 9,358 | 8,628 | 17,987 | 1,716,302 |
| 231 | 1,716,302 | 9,405 | 8,582 | 17,987 | 1,706,897 |
| 232 | 1,706,897 | 9,452 | 8,534 | 17,987 | 1,697,445 |
| 233 | 1,697,445 | 9,499 | 8,487 | 17,987 | 1,687,946 |
| 234 | 1,687,946 | 9,547 | 8,440 | 17,987 | 1,678,399 |
| 235 | 1,678,399 | 9,595 | 8,392 | 17,987 | 1,668,805 |
| 236 | 1,668,805 | 9,642 | 8,344 | 17,987 | 1,659,162 |
| 237 | 1,659,162 | 9,691 | 8,296 | 17,987 | 1,649,471 |
| 238 | 1,649,471 | 9,739 | 8,247 | 17,987 | 1,639,732 |
| 239 | 1,639,732 | 9,788 | 8,199 | 17,987 | 1,629,944 |
| 240 | 1,629,944 | 9,837 | 8,150 | 17,987 | 1,620,108 |
| 241 | 1,620,108 | 9,886 | 8,101 | 17,987 | 1,610,222 |
| 242 | 1,610,222 | 9,935 | 8,051 | 17,987 | 1,600,286 |
| 243 | 1,600,286 | 9,985 | 8,001 | 17,987 | 1,590,301 |
| 244 | 1,590,301 | 10,035 | 7,952 | 17,987 | 1,580,265 |
| 245 | 1,580,266 | 10,085 | 7,901 | 17,987 | 1,570,181 |
| 246 | 1,570,181 | 10,136 | 7,851 | 17,987 | 1,560,045 |
| 247 | 1,560,045 | 10,186 | 7,800 | 17,987 | 1,549,859 |
| 248 | 1,549,859 | 10,237 | 7,749 | 17,987 | 1,539,622 |
| 249 | 1,539,622 | 10,288 | 7,698 | 17,987 | 1,529,333 |
| 250 | 1,529,333 | 10,340 | 7,647 | 17,987 | 1,518,994 |
| 251 | 1,518,994 | 10,392 | 7,595 | 17,987 | 1,508,602 |
| 252 | 1,508,602 | 10,444 | 7,543 | 17,987 | 1,498,158 |
| 253 | 1,498,158 | 10,496 | 7,491 | 17,987 | 1,487,663 |
| 254 | 1,487,663 | 10,548 | 7,438 | 17,987 | 1,477,115 |
| 255 | 1,477,115 | 10,601 | 7,386 | 17,987 | 1,466,514 |
| 256 | 1,466,514 | 10,654 | 7,333 | 17,987 | 1,455,860 |
| 257 | 1,455,860 | 10,707 | 7,279 | 17,987 | 1,445,152 |
| 258 | 1,445,152 | 10,761 | 7,226 | 17,987 | 1,434,392 |
| 259 | 1,434,392 | 10,815 | 7,172 | 17,987 | 1,423,577 |
| 260 | 1,423,577 | 10,869 | 7,118 | 17,987 | 1,412,709 |
| 261 | 1,412,709 | 10,923 | 7,064 | 17,987 | 1,401,786 |
| 262 | 1,401,786 | 10,978 | 7,009 | 17,987 | 1,390,808 |
| 263 | 1,390,808 | 11,032 | 6,954 | 17,987 | 1,379,775 |
| 264 | 1,379,775 | 11,088 | 6,899 | 17,987 | 1,368,688 |
| 265 | 1,368,688 | 11,143 | 6,843 | 17,987 | 1,357,545 |
| 266 | 1,357,545 | 11,199 | 6,788 | 17,987 | 1,346,346 |
| 267 | 1,346,346 | 11,255 | 6,732 | 17,987 | 1,335,091 |
| 268 | 1,335,091 | 11,311 | 6,675 | 17,987 | 1,323,780 |
| 269 | 1,323,780 | 11,368 | 6,619 | 17,987 | 1,312,413 |
| 270 | 1,312,413 | 11,424 | 6,562 | 17,987 | 1,300,988 |
| 271 | 1,300,988 | 11,482 | 6,505 | 17,987 | 1,289,506 |
| 272 | 1,289,506 | 11,539 | 6,448 | 17,987 | 1,277,968 |
| 273 | 1,277,968 | 11,597 | 6,390 | 17,987 | 1,266,371 |
| 274 | 1,266,371 | 11,655 | 6,332 | 17,987 | 1,254,716 |


| 275 | 1,254,716 | 11,713 | 6,274 | 17,987 | 1,243,003 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 276 | 1,243,003 | 11,771 | 6,215 | 17,987 | 1,231,232 |
| 277 | 1,231,232 | 11,830 | 6,156 | 17,987 | 1,219,401 |
| 278 | 1,219,401 | 11,890 | 6,097 | 17,987 | 1,207,512 |
| 279 | 1,207,512 | 11,949 | 6,038 | 17,987 | 1,195,563 |
| 280 | 1,195,563 | 12,009 | 5,978 | 17,987 | 1,183,554 |
| 281 | 1,183,554 | 12,069 | 5,918 | 17,987 | 1,171,485 |
| 282 | 1,171,485 | 12,129 | 5,857 | 17,987 | 1,159,356 |
| 283 | 1,159,356 | 12,190 | 5,797 | 17,987 | 1,147,167 |
| 284 | 1,147,167 | 12,251 | 5,736 | 17,987 | 1,134,916 |
| 285 | 1,134,916 | 12,312 | 5,675 | 17,987 | 1,122,604 |
| 286 | 1,122,604 | 12,373 | 5,613 | 17,987 | 1,110,231 |
| 287 | 1,110,231 | 12,435 | 5,551 | 17,987 | 1,097,795 |
| 288 | 1,097,795 | 12,498 | 5,489 | 17,987 | 1,085,298 |
| 289 | 1,085,298 | 12,560 | 5,426 | 17,987 | 1,072,738 |
| 290 | 1,072,738 | 12,623 | 5,364 | 17,987 | 1,060,115 |
| 291 | 1,060,115 | 12,686 | 5,301 | 17,987 | 1,047,429 |
| 292 | 1,047,429 | 12,749 | 5,237 | 17,987 | 1,034,679 |
| 293 | 1,034,679 | 12,813 | 5,173 | 17,987 | 1,021,865 |
| 294 | 1,021,866 | 12,877 | 5,109 | 17,987 | 1,008,989 |
| 295 | 1,008,989 | 12,942 | 5,045 | 17,987 | 996,048 |
| 296 | 996,048 | 13,006 | 4,980 | 17,987 | 983,041 |
| 297 | 983,041 | 13,071 | 4,915 | 17,987 | 969,970 |
| 298 | 969,970 | 13,137 | 4,850 | 17,987 | 956,833 |
| 299 | 956,833 | 13,202 | 4,784 | 17,987 | 943,631 |
| 300 | 943,631 | 13,268 | 4,718 | 17,987 | 930,363 |
| 301 | 930,363 | 13,335 | 4,652 | 17,987 | 917,028 |
| 302 | 917,028 | 13,401 | 4,585 | 17,987 | 903,627 |
| 303 | 903,627 | 13,468 | 4,518 | 17,987 | 890,158 |
| 304 | 890,158 | 13,536 | 4,451 | 17,987 | 876,622 |
| 305 | 876,622 | 13,603 | 4,383 | 17,987 | 863,019 |
| 306 | 863,019 | 13,671 | 4,315 | 17,987 | 849,348 |
| 307 | 849,348 | 13,740 | 4,247 | 17,987 | 835,608 |
| 308 | 835,608 | 13,808 | 4,178 | 17,987 | 821,799 |
| 309 | 821,799 | 13,878 | 4,109 | 17,987 | 807,922 |
| 310 | 807,922 | 13,947 | 4,040 | 17,987 | 793,975 |
| 311 | 793,975 | 14,017 | 3,970 | 17,987 | 779,958 |
| 312 | 779,958 | 14,087 | 3,900 | 17,987 | 765,872 |
| 313 | 765,872 | 14,157 | 3,829 | 17,987 | 751,714 |
| 314 | 751,714 | 14,228 | 3,759 | 17,987 | 737,486 |
| 315 | 737,486 | 14,299 | 3,687 | 17,987 | 723,187 |
| 316 | 723,187 | 14,371 | 3,616 | 17,987 | 708,817 |
| 317 | 708,817 | 14,442 | 3,544 | 17,987 | 694,374 |
| 318 | 694,374 | 14,515 | 3,472 | 17,987 | 679,860 |
| 319 | 679,860 | 14,587 | 3,399 | 17,987 | 665,272 |
| 320 | 665,272 | 14,660 | 3,326 | 17,987 | 650,612 |
| 321 | 650,612 | 14,733 | 3,253 | 17,987 | 635,879 |
| 322 | 635,879 | 14,807 | 3,179 | 17,987 | 521,072 |
| 323 | 621,072 | 14,881 | 3,105 | 17,987 | 606,191 |


| 324 | 606,191 | 14,956 | 3,031 | 17,987 | 591,235 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 325 | 591,235 | 15,030 | 2,956 | 17,987 | 576,205 |
| 326 | 576,205 | 15,105 | 2,881 | 17,987 | 561,099 |
| 327 | 561,099 | 15,181 | 2,805 | 17,987 | 545,918 |
| 328 | 545,918 | 15,257 | 2,730 | 17,987 | 530,661 |
| 329 | 530,661 | 15,333 | 2,653 | 17,987 | 515,328 |
| 330 | 515,328 | 15,410 | 2,577 | 17,987 | 499,918 |
| 331 | 499,918 | 15,487 | 2,500 | 17,987 | 484,431 |
| 332 | 484,431 | 15,564 | 2,422 | 17,987 | 468,867 |
| 333 | 468,867 | 15,642 | 2,344 | 17,987 | 453,225 |
| 334 | 453,225 | 15,720 | 2,266 | 17,987 | 437,504 |
| 335 | 437,504 | 15,799 | 2,188 | 17,987 | 421,705 |
| 336 | 421,705 | 15,878 | 2,109 | 17,987 | 405,827 |
| 337 | 405,827 | 15,957 | 2,029 | 17,987 | 389,870 |
| 338 | 389,870 | 16,037 | 1,949 | 17,987 | 373,833 |
| 339 | 373,833 | 16,117 | 1,869 | 17,987 | 357,715 |
| 340 | 357,715 | 16,198 | 1,789 | 17,987 | 341,518 |
| 341 | 341,518 | 16,279 | 1,708 | 17,987 | 325,239 |
| 342 | 325,239 | 16,360 | 1,626 | 17,987 | 308,878 |
| 343 | 308,878 | 16,442 | 1,544 | 17,987 | 292,436 |
| 344 | 292,436 | 16,524 | 1,462 | 17,987 | 275,912 |
| 345 | 275,912 | 16,607 | 1,380 | 17,987 | 259,305 |
| 346 | 259,305 | 16,690 | 1,297 | 17,987 | 242,615 |
| 347 | 242,615 | 16,773 | 1,213 | 17,987 | 225,841 |
| 348 | 225,841 | 16,857 | 1,129 | 17,987 | 208,984 |
| 349 | 208,984 | 16,942 | 2,045 | 17,987 | 192,043 |
| 350 | 192,043 | 17,026 | 960 | 17,987 | 175,016 |
| 351 | 175,016 | 17,111 | 875 | 17,987 | 157,905 |
| 352 | 157,905 | 17,197 | 790 | 17,987 | 140,708 |
| 353 | 140,708 | 17,283 | 704 | 17,987 | 123,425 |
| 354 | 123,425 | 17,369 | 617 | 17,987 | 106,055 |
| 355 | 106,055 | 17,456 | 530 | 17,987 | 88,599 |
| 356 | 88,599 | 17,544 | 443 | 17,987 | 71,056 |
| 357 | 71,056 | 17,631 | 355 | 17,987 | 53,424 |
| 358 | 53,424 | 17,719 | 267 | 17,987 | 35,705 |
| 359 | 35,705 | 17,808 | 179 | 17,987 | 17,897 |
| 360 | 17,897 | 17,897 | 89 | 17,987 | 0 |


| Summary |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| atFull Taxes . |  |  |  | S , - , max Exemption |  |  |  |  |
| Loan Amount | 1,994,000 | 1,957,000 | 1,875,000 | 1,790,000 | 859,130 | 1,030,956 | 1,288,695 | 1,441,367 |
| Rate | 4.40\% | 4.56\% | 4.93\% | 5.34\% | 3.57\% | 3.53\% | 4.21\% | 4.49\% |
| Term (yrs) | 10 | 12 | 15 | 18 | 10 | 12 | 15 | 18 |
| Amortization (yrs) | 30 | 30 | 30 | 30 | 10 | 12 | 15 | 18 |
| min DSCR | 1.30 | 1.30 | 1.30 | 1.30 | 1.05 | 1.05 | 1.05 | 1.05 |



Balance due at end of term
1,268,541

| Month |  | Beginning Balance | Principal | interest | Payment | Ending Balanice |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1 | 1,875,000 | 2,282 | 7,703 | 9,985 | 1,872,718 |
|  | 2 | 1,872,718 | 2,292 | 7,694 | 9,985 | 1,870,426 |
|  | 3 | 1,870,426 | 2,301 | 7,684 | 9,985 | 1,868,125 |
|  | 4 | 1,868,125 | 2,310 | 7,675 | 9,985 | 1,865,815 |
|  | 5 | 1,865,815 | 2,320 | 7,665 | 9,985 | 1,863,495 |
|  | 6 | 1,863,495 | 2,329 | 7,656 | 9,985 | 1,861,165 |
|  | 7 | 1,861,165 | 2,339 | 7,646 | 9,985 | 1,858,826 |
|  | 8 | 1,858,826 | 2,349 | 7,637 | 9,985 | 1,856,478 |
|  | 9 | 1,856,478 | 2,358 | 7,627 | 9,985 | 1,854,119 |
|  | 10 | 1,854,119 | 2,368 | 7,617 | 9,985 | 1,851,751 |
|  | 11 | 1,851,751 | 2,378 | 7,608 | 9,985 | 1,849,373 |
|  | 12 | 1,849,373 | 2,388 | 7,598 | 9,985 | 1,846,986 |
|  | 13 | 1,846,986 | 2,397 | 7,588 | 9,985 | 1,844,589 |
|  | 14 | 1,844,589 | 2,407 | 7,578 | 9,985 | 1,842,182 |
|  | 15 | 1,842,182 | 2,417 | 7,568 | 9,985 | 1,839,764 |
|  | 16 | 1,839,764 | 2,427 | 7,558 | 9,985 | 1,837,337 |
|  | 17 | 1,837,337 | 2,437 | 7,548 | 9,985 | 1,834,901 |
|  | 18 | 1,834,901 | 2,447 | 7,538 | 9,985 | 1,832,454 |
|  | 19 | 1,832,454 | 2,457 | 7,528 | 9,985 | 1,829,997 |
|  | 20 | 1,829,997 | 2,467 | 7,518 | 9,985 | 1,827,529 |
|  | 21 | 1,827,529 | 2,477 | 7,508 | 9,985 | 1,825,052 |
|  | 22 | 1,825,052 | 2,487 | 7,498 | 9,985 | 1,822,565 |
|  | 23 | 1,822,565 | 2,498 | 7,488 | 9,985 | 1,820,067 |
|  | 24 | 1,820,067 | 2,508 | 7,477 | 9,985 | 1,817,559 |
|  | 25 | 1,817,559 | 2,518 | 7,467 | 9,985 | 1,815,041 |
|  | 26 | 1,815,041 | 2,529 | 7,457 | 9,985 | 1,812,513 |
|  | 27 | 1,812,513 | 2,539 | 7,446 | 9,985 | 1,809,974 |
|  | 28 | 1,809,974 | 2,549 | 7,436 | 9,985 | 1,807,424 |
|  | 29 | 1,807,424 | 2,560 | 7,426 | 9,985 | 1,804,864 |
|  | 30 | 1,804,854 | 2,570 | 7,415 | 9,985 | 1,802,294 |
|  | 31 | 1,802,294 | 2,581 | 7,404 | 9,985 | 1,799,713 |
|  | 32 | 1,799,713 | 2,592 | 7,394 | 9,985 | 1,797,122 |
|  | 33 | 1,797,122 | 2,602 | 7,383 | 9,585 | 1,794,519 |
|  | 34 | 1,794,519 | 2,613 | 7,372 | 9,985 | 1,791,907 |
|  | 35 | 1,791,907 | 2,624 | 7,362 | 9,985 | 1,789,283 |
|  | 36 | 1,789,283 | 2,634 | 7,351 | 9,985 | 1,786,649 |
|  | 37 | 1,786,549 | 2,645 | 7,340 | 9,985 | 1,784,003 |
|  | 38 | 1,784,003 | 2,656 | 7,329 | 9,985 | 1,781,347 |

Tax Exemption

| Rate | $4.21 \%$ |  |
| :--- | :---: | ---: |
| Term | 15 years | perm loan amount |
| Amort | 15 years |  |
| Payment | 9,669 per month |  |

Balance due at end of term
0

| Monith | Beginping Bajance | Principat | interest | Payment | Ending Balance |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | 1,288,695 | 5,147 | 4,521 | 9,669 | 1,283,548 |
| 2 | 1,283,548 | 5,165 | 4,503 | 9,669 | 1,278,382 |
| 3 | 1,278,382 | 5,184 | 4,485 | 9,669 | 1,273,199 |
| 4 | 1,273,199 | 5,202 | 4,467 | 9,6\%9 | 1,267,997 |
| 5 | 1,267,997 | 5,220 | 4,449 | 9,669 | 1,262,777 |
| 6 | 1,262,777 | 5,238 | 4,430 | 9,669 | 1,257,539 |
| 7 | 1,257,539 | 5,257 | 4,412 | 9,669 | 1,252,282 |
| 8 | 1,252,282 | 5,275 | 4,393 | 9,669 | 1,247,007 |
| 9 | 1,247,007 | 5,294 | 4,375 | 9,669 | 1,241,714 |
| 10 | 1,241,714 | 5,312 | 4,356 | 9,669 | 1,236,401 |
| 11 | 1,236,401 | 5,331 | 4,338 | 9,669 | 1,231,071 |
| 12 | 1,231,071 | 5,349 | 4,319 | 9,669 | 1,225,721 |
| 13 | 1,225,721 | 5,368 | 4,300 | 9,669 | 1,220,353 |
| 14 | 1,220,353 | 5,387 | 4,281 | 9,669 | 1,214,966 |
| 25 | 1,214,966 | 5,406 | 4,263 | 9,669 | 1,209,560 |
| 15 | 1,209,560 | 5,425 | 4,244 | 9,669 | 1,204,135 |
| 17 | 1,204,135 | 5,444 | 4,225 | 9,669 | 1,198,691 |
| 18 | 1,198,691 | 5,463 | 4,205 | 9,669 | 1,193,228 |
| 19 | 1,193,228 | 5,482 | 4,186 | 9,669 | 1,187,745 |
| 20 | 1,187,745 | 5,501 | 4,167 | 9,669 | 1,182,244 |
| 21 | 1,182,244 | 5,521 | 4,148 | 9,669 | 1,176,723 |
| 22 | 1,176,723 | 5,540 | 4,128 | 9,669 | 1,171,183 |
| 23 | 1,171,183 | 5,560 | 4,109 | 9,669 | 1,165,623 |
| 24 | 1,165,623 | 5,579 | 4,089 | 9,669 | 1,160,044 |
| 25 | 1,160,044 | 5,599 | 4,070 | 9,669 | 1,154,446 |
| 26 | 1,154,446 | 5,618 | 4,050 | 9,669 | 1,148,827 |
| 27 | 1,148,827 | 5,638 | 4,030 | 9,669 | 1,143,189 |
| 28 | 1,143,189 | 5,658 | 4,011 | 9,669 | 1,137,531 |
| 29 | 1,137,531 | 5,678 | 3,991 | 9,669 | 1,131,854 |
| 30 | 1,131,854 | 5,698 | 3,971 | 9,669 | 1,126,156 |
| 31 | 1,126,156 | 5,718 | 3,951 | 9,669 | 1,120,438 |
| 32 | 1,120,438 | 5,738 | 3,931 | 9,669 | 1,114,701 |
| 33 | 1,114,701 | 5,758 | 3,911 | 9,669 | 1,108,943 |
| 34 | 1,108,943 | 5,778 | 3,891 | 9,669 | 1,103,165 |
| 35 | 1,103,165 | 5,798 | 3,870 | 9,669 | 1,097,367 |
| 36 | 1,097,367 | 5,819 | 3,850 | 9,669 | 1,091,548 |
| 37 | 1,091,548 | 5,839 | 3,830 | 9,669 | 1,085,709 |
| 38 | 1,085,709 | 5,859 | 3,809 | 9,669 | 1,079,850 |


| 39 | 1,781,347 | 2,667 | 7,318 | 9,985 | 1,778,680 | 39 | 1,079,850 | 5,880 | 3,788 | 9,669 | 1,073,970 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 40 | 1,778,680 | 2,678 | 7,307 | 9,985 | 1,776,002 | 40 | 1,073,970 | 5,901 | 3,768 | 9,669 | 1,068,069 |
| 41 | 1,776,002 | 2,689 | 7,296 | 9,985 | 1,773,313 | 41 | 1,068,069 | 5,921 | 3,747 | 9,669 | 1;062,148 |
| 42 | 1,773,313 | 2,700 | 7,285 | 9,985 | 1,770,613 | 42 | 1,062,148 | 5,942 | 3,725 | 9,669 | 1,056,206 |
| 43 | 1,770,613 | 2,711 | 7,274 | 9,985 | 1,767,902 | 43 | 1,056,206 | 5,963 | 3,706 | 9,669 | 1,050,243 |
| 44 | 1,767,902 | 2,722 | 7,263 | 9,985 | 1,765,180 | 44 | 1,050,243 | 5,984 | 3,685 | 9,669 | 1,044,259 |
| 45 | 1,765,180 | 2,733 | 7,252 | 9,985 | 1,762,447 | 45 | 1,044,259 | 5,005 | 3,664 | 9,669 | 1,038,254 |
| 46 | 1,762,447 | 2,745 | 7,241 | 9,985 | 1,759,702 | 46 | 1,038,254 | 5,026 | 3,643 | 9,669 | 1,032,228 |
| 47 | 1,759,702 | 2,756 | 7,229 | 9,985 | 1,756,946 | 47 | 1,032,228 | 6,047 | 3,621 | 9,669 | 1,026,181 |
| 48 | 1,756,946 | 2,767 | 7,218 | 9,985 | 1,754,179 | 48 | 1,026,181 | 5,068 | 3,600 | 9,669 | 1,020,112 |
| 49 | 1,754,179 | 2,779 | 7,207 | 9,985 | 1,751,400 | 49 | 1,020,112 | 6,090 | 3,579 | 9,669 | 1,014,023 |
| 50 | 1,751,400 | 2,790 | 7,195 | 9,985 | 1,748,610 | 50 | 1,014,023 | 6,171 | 3,558 | 9,669 | 1,007,912 |
| 51 | 1,748,610 | 2,801 | 7,184 | 9,985 | 1,745,809 | 51 | 1,007,912 | 6,132 | 3,536 | 9,669 | 1,001,779 |
| 52 | 1,745,809 | 2,813 | 7,172 | 9,985 | 1,742,996 | 52 | 1,001,779 | 5,154 | 3,515 | 9,669 | 995,626 |
| 53 | 1,742,996 | 2,825 | 7,161 | 9,985 | 1,740,171 | 53 | 995,526 | 5,176 | 3,493 | 9,669 | 989,450 |
| 54 | 1,740,171 | 2,836 | 7,149 | 9,985 | 1,737,335 | 54 | 989,450 | 5,197 | 3,471 | 9,669 | 983,253 |
| 55 | 1,737,335 | 2,848 | 7,138 | 9,985 | 1,734,488 | 55 | 983,253 | 6,219 | 3,450 | 9,669 | 977,034 |
| 56 | 1,734,488 | 2,859 | 7,126 | 9,985 | 1,731,628 | 56 | 977,034 | 6,241 | 3,428 | 9,669 | 970,793 |
| 57 | 1,731,628 | 2,871 | 7,114 | 9,985 | 1,728,757 | 57 | 970,793 | 6,263 | 3,405 | 9,669 | 964,531 |
| 58 | 1,728,757 | 2,883 | 7,102 | 9,985 | 1,725,874 | 58 | 964,531 | 6,285 | 3,384 | 9,669 | 958,246 |
| 59 | 1,725,874 | 2,895 | 7,090 | 9,985 | 1,722,979 | 59 | 958,246 | 6,307 | 3,362 | 9,669 | 951,939 |
| 60 | 1,722,979 | 2,907 | 7,079 | 9,985 | 1,720,072 | 60 | 951,939 | 5,329 | 3,340 | 9,669 | 945,610 |
| 61 | 1,720,072 | 2,919 | 7,067 | 9,985 | 1,717,153 | 61 | 945,610 | 6,351 | 3,318 | 9,669 | 939,259 |
| 62 | 1,717,153 | 2,931 | 7,055 | 9,985 | 1,714,223 | 62 | 939,259 | 6,373 | 3,295 | 9,669 | 932,886 |
| 63 | 1,714,223 | 2,943 | 7,043 | 9,985 | 1,711,280 | 63 | 932,886 | 6,396 | 3,273 | 9,669 | 926,491 |
| 64 | 1,711,280 | 2,955 | 7,031 | 9,985 | 1,708,325 | 64 | 926,491 | 6,418 | 3,250 | 9,669 | 920,073 |
| 65 | 1,708,325 | 2,967 | 7,018 | 9,985 | 1,705,358 | 65 | 920,073 | 6,441 | 3,228 | 9,669 | 913,632 |
| 65 | 1,705,358 | 2,979 | 7,006 | 9,985 | 1,702,379 | 66 | 913,632 | 6,463 | 3,205 | 9,669 | 907,169 |
| 67 | 1,702,379 | 2,991 | 6,994 | 9,985 | 1,699,388 | 67 | 907,169 | 5,486 | 3,183 | 9,669 | 900,683 |
| 68 | 1,699,388 | 3,004 | 6,982 | 5,985 | 1,696,384 | 68 | 900,683 | 6,509 | 3,160 | 9,669 | 894,374 |
| 69 | 1,696,384 | 3,016 | 6,969 | 9,985 | 1,693,368 | 69 | 894,174 | 6,531 | 3,137 | 9,669 | 887,643 |
| 70 | 1,693,368 | 3,028 | 6,957 | 9,985 | 1,690,339 | 70 | 887,643 | 6,554 | 3,114 | 9,669 | 881,088 |
| 71 | 1,690,339 | 3,041 | 5,944 | 9,985 | 1,687,299 | 71 | 881,088 | 6,577 | 3,091 | 9,669 | 874,511 |
| 72 | 1,687,299 | 3,053 | 6,932 | 9,985 | 1,684,245 | 72 | 874,511 | 6,600 | 3,068 | 9,669 | 867,911 |
| 73 | 1,684,245 | 3,066 | 6,919 | 9,985 | 1,681,179 | 73 | 867,911 | 6,624 | 3,045 | 9,669 | 861,287 |
| 74 | 1,681,179 | 3,078 | 6,907 | 9,985 | 1,678,101 | 74 | 861,287 | 6,647 | 3,022 | 9,669 | 854,540 |
| 75 | 1,678,101 | 3,091 | 6,894 | 9,985 | 1,675,010 | 75 | 854,640 | 6,670 | 2,998 | 9,669 | 847,970 |
| 76 | 1,675,010 | 3,104 | 6,881 | 9,985 | 1,671,906 | 76 | 847,970 | 6,694 | 2,975 | 9,669 | 841,277 |
| 77 | 1,671,906 | 3,117 | 6,869 | 9,985 | 1,668,789 | 77 | 841,277 | 6,717 | 2,951 | 9,669 | 834,560 |
| 78 | 1,668,789 | 3,129 | 6,856 | 9,985 | 1,665,660 | 78 | 834,560 | 5,741 | 2,928 | 9,669 | 827,819 |
| 79 | 1,665,660 | 3,142 | 6,843 | 9,985 | 1,662,518 | 79 | 827,819 | 6,764 | 2,904 | 9,669 | 821,055 |
| 80 | 1,662,518 | 3,155 | 6,830 | 9,985 | 1,659,362 | 80 | 821,055 | 5,788 | 2,881 | 9,669 | 814,267 |
| 81 | 1,659,362 | 3,158 | 6,817 | 9,985 | 1,656,194 | 81 | 814,267 | 6,812 | 2,857 | 9,669 | 807,455 |
| 82 | 1,656,194 | 3,181 | 6,804 | 9,985 | 1,653,013 | 82 | 807,455 | 6,836 | 2,833 | 9,669 | 800,619 |
| 83 | 1,653,013 | 3,194 | 6,791 | 9,985 | 1,649,819 | 83 | 800,619 | 6,860 | 2,809 | 9,669 | 793,760 |
| 84 | 1,549,819 | 3,207 | 6,778 | 9,985 | 1,546,612 | 84 | 793,760 | 6,884 | 2,785 | 9,669 | 786,876 |
| 85 | 1,646,612 | 3,221 | 6,765 | 9,985 | 1,643,391 | 85 | 786,876 | 6,908 | 2,761 | 9,669 | 779,968 |
| 86 | 1,643,391 | 3,234 | 6,752 | 9,985 | 1,640,157 | 86 | 779,968 | 6,932 | 2,736 | 9,669 | 773,036 |
| 87 | 1,640,157 | 3,247 | 6,738 | 3,985 | 1,636,910 | 87 | 773,036 | 6,956 | 2,712 | 9,669 | 766,079 |
| 88 | 1,536,910 | 3,250 | 6,725 | 9,985 | 1,533,650 | 88 | 766,079 | 6,981 | 2,688 | 9,669 | 759,099 |
| 89 | 1,633,650 | 3,274 | 6,722 | 9,985 | 1,630,376 | 89 | 759,099 | 7,005 | 2,663 | 9,669 | 752,093 |
| 90 | 1,630,376 | 3,287 | 6,698 | 9,985 | 1,627,089 | 90 | 752,093 | 7,030 | 2,639 | 9,669 | 745,063 |
| 91 | 1,627,089 | 3,301 | 6,685 | 9,985 | 1,623,788 | 91 | 745,063 | 7,055 | 2,614 | 9,669 | 738,009 |
| 92 | 1,623,788 | 3,314 | 6,671 | 9,985 | 1,620,474 | 92 | 738,009 | 7,079 | 2,589 | 9,669 | 730,929 |
| 93 | 1,620,474 | 3,328 | 6,657 | 9,985 | 1,617,146 | 93 | 730,929 | 7,104 | 2,564 | 9,669 | 723,825 |
| 94 | 1,617,145 | 3,342 | 6,644 | 9,985 | 1,613,804 | 94 | 723,825 | 7,129 | 2,539 | 9,669 | 716,696 |
| 95 | 1,613,804 | 3,355 | 6,630 | 9,985 | 1,610,449 | 95 | 716,696 | 7,154 | 2,514 | 9,669 | 709,542 |


| 96 | 1,610,449 | 3,369 | 6,616 | 9,985 | 1,607,080 | 96 | 709,542 | 7,179 | 2,489 | 9,669 | 702,363 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 97 | 1,607,080 | 3,383 | 6,602 | 9,985 | 1,603,697 | 97 | 702,363 | 7,204 | 2,464 | 9,669 | 695,159 |
| 98 | 1,603,697 | 3,397 | 6,589 | 9,985 | 1,600,300 | 98 | 695,159 | 7,230 | 2,439 | 9,669 | 687,929 |
| 99 | 1,600,300 | 3,411 | 6,575 | 9,985 | 1,596,890 | 99 | 687,929 | 7,255 | 2,413 | 9,669 | 680,674 |
| 100 | 1,596,890 | 3,425 | 6,561 | 9,985 | 1,593,465 | 100 | 680,674 | 7,280 | 2,388 | 9,669 | 673,393 |
| 101 | 1,593,465 | 3,439 | 6,546 | 9,985 | 1,590,026 | 101 | 673,393 | 7,306 | 2,362 | 9,669 | 665,087 |
| 102 | 1,590,025 | 3,453 | 6,532 | 9,985 | 1,586,573 | 102 | 666,087 | 7,332 | 2,337 | 9,669 | 658,756 |
| 103 | 1,586,573 | 3,467 | 6,518 | 9,985 | 1,583,106 | 103 | 658,756 | 7,357 | 2,311 | 9,669 | 651,398 |
| 104 | 1,583,106 | 3,481 | 6,504 | 9,985 | 1,579,624 | 104 | 651,398 | 7,383 | 2,285 | 9,669 | 644,015 |
| 105 | 1,579,624 | 3,496 | 6,490 | 9,985 | 1,576,129 | 105 | 644,015 | 7,409 | 2,259 | 9,669 | 636,606 |
| 106 | 1,576,129 | 3,510 | 6,475 | 9,985 | 1,572,518 | 106 | 636,606 | 7,435 | 2,233 | 9,669 | 629,171 |
| 107 | 1,572,618 | 3,525 | 6,461 | 9,985 | 1,569,094 | 107 | 629,171 | 7,461 | 2,207 | 9,669 | 621,710 |
| 108 | 1,569,094 | 3,539 | 6,446 | 9,985 | 1,565,555 | 108 | 621,710 | 7,487 | 2,181 | 9,669 | 614,223 |
| 109 | 1,565,555 | 3,554 | 6,432 | 9,985 | 1,562,001 | 109 | 614,223 | 7,514 | 2,155 | 9,669 | 606,709 |
| 110 | 1,562,001 | 3,568 | 6,417 | 9,985 | 1,558,433 | 110 | 606,709 | 7,540 | 2,129 | 9,669 | 599,169 |
| 111 | 1,558,433 | 3,583 | 6,403 | 9,985 | 1,554,851 | 111 | 599,169 | 7,566 | 2,102 | 9,669 | 591,603 |
| 112 | 1,554,851 | 3,597 | 6,388 | 9,985 | 1,551,253 | 112 | 591,603 | 7,593 | 2,076 | 9,669 | 584,010 |
| 113 | 1,551,253 | 3,612 | 6,373 | 9,985 | 1,547,641 | 113 | 584,010 | 7,620 | 2,049 | 9,669 | 576,390 |
| 114 | 1,547,541 | 3,627 | 6,358 | 9,985 | 1,544,014 | 114 | 576,390 | 7,646 | 2,022 | 9,669 | 568,744 |
| 215 | 1,544,014 | 3,642 | 6,343 | 9,985 | 1,540,372 | 115 | 568,744 | 7,673 | 1,995 | 9,669 | 561,070 |
| 116 | 1,540,372 | 3,657 | 6,328 | 9,985 | 1,536,715 | 116 | 561,070 | 7,700 | 1,968 | 9,669 | 553,370 |
| 117 | 1,536,715 | 3,672 | 6,313 | 9,985 | 1,533,043 | 117 | 553,370 | 7,727 | 1,941 | 9,669 | 545,643 |
| 118 | 1,533,043 | 3,587 | 6,298 | 9,985 | 1,529,356 | 118 | 545,643 | 7,754 | 1,914 | 9,669 | 537,889 |
| 119 | 1,529,356 | 3,702 | 6,283 | 9,985 | 1,525,653 | 119 | 537,889 | 7,781 | 1,887 | 9,669 | 530,108 |
| 120 | 1,525,653 | 3,717 | 6,268 | 9,985 | 1,521,936 | 120 | 530,108 | 7,809 | 1,860 | 9,669 | 522,299 |
| 121 | 1,521,936 | 3,733 | 6,253 | 9,985 | 1,518,203 | 121 | 522,299 | 7,836 | 1,832 | 9,669 | 514,463 |
| 122 | 1,518,203 | 3,748 | 6,237 | 0,985 | 1,514,455 | 122 | 514,463 | 7,864 | 1,805 | 9,669 | 506,599 |
| 123 | 1,514,455 | 3,763 | 6,222 | 9,985 | 1,510,692 | 123 | 506,599 | 7,891 | 1,777 | 9,669 | 498,708 |
| 124 | 1,510,692 | 3,779 | 6,206 | 9,985 | 1,506,913 | 124 | 498,708 | 7,919 | 1,750 | 9,669 | 490,789 |
| 125 | 1,506,913 | 3,794 | 6,191 | 9,985 | 1,503,118 | 125 | 490,789 | 7,947 | 1,722 | 9,669 | 482,842 |
| 126 | 1,503,118 | 3,810 | 6,175 | 9,985 | 1,499,308 | 126 | 482,842 | 7,975 | 1,694 | 9,669 | 474,868 |
| 127 | 1,499,308 | 3,826 | 6,160 | 9,985 | 1,495,483 | 127 | 474,868 | 8,003 | 1,666 | 9,669 | 466,865 |
| 128 | 1,495,483 | 3,841 | 6,144 | 9,985 | 1,491,641 | 128 | 466,865 | 8,031 | 1,638 | 9,669 | 458,835 |
| 129 | 1,491,642 | 3,857 | 6,128 | 9,985 | 1,487,784 | 129 | 458,835 | 8,059 | 1,610 | 9,669 | 450,776 |
| 130 | 1,487,784 | 3,873 | 6,112 | 9,985 | 1,483,911 | 130 | 450,776 | 8,087 | 1,581 | 9,669 | 442,689 |
| 131 | 1,483,911 | 3,889 | 6,096 | 9,985 | 1,480,022 | 131 | 442,689 | 8,115 | 1,553 | 9,669 | 434,574 |
| 132 | 1,480,022 | 3,905 | 6,080 | 9,985 | 1,476,117 | 132 | 434,574 | 8,144 | 1,525 | 9,669 | 426,430 |
| 133 | 1,476,117 | 3,921 | 6,064 | 9,985 | 1,472,196 | 133 | 426,430 | 8,172 | 1,496 | 9,669 | 418,257 |
| 134 | 1,472,196 | 3,937 | 6,048 | 9,985 | 1,468,259 | 134 | 418,257 | 8,201 | 1,467 | 9,669 | 410,056 |
| 135 | 1,468,259 | 3,953 | 5,032 | 9,985 | 1,464,306 | 135 | 410,056 | 8,230 | 1,439 | 9,669 | 401,826 |
| 136 | 1,464,306 | 3,969 | 5,016 | 9,985 | 1,460,336 | 136 | 401,826 | 8,259 | 1,410 | 9,669 | 393,568 |
| 137 | 1,460,336 | 3,986 | 6,000 | 9,985 | 1,456,351 | 137 | 393,568 | 8,288 | 1,381 | 9,669 | 385,280 |
| 138 | 1,456,351 | 4,002 | 5,983 | 9,985 | 1,452,348 | 138 | 385,280 | 8,317 | 1,352 | 9,669 | 376,963 |
| 139 | 1,452,348 | 4,019 | 5,967 | 9,985 | 1,448,330 | 139 | 376,963 | 8,346 | 1,323 | 9,669 | 368,617 |
| 140 | 1,448,330 | 4,035 | 5,950 | 9,985 | 1,444,295 | 140 | 368,617 | 8,375 | 1,293 | 9,669 | 360,242 |
| 141 | 1,444,295 | 4,052 | 5,934 | 9,985 | 1,440,243 | 141 | 360,242 | 8,405 | 1,264 | 9,669 | 351,837 |
| 142 | 1,440,243 | 4,068 | 5,917 | 9,985 | 1,436,175 | 142 | 351,837 | 8,434 | 1,234 | 9,669 | 343,403 |
| 143 | 1,436,175 | 4,085 | 5,900 | 9,985 | 1,432,089 | 143 | 343,403 | 8,464 | 1,205 | 9,669 | 334,939 |
| 144 | 1,432,089 | 4,102 | 5,884 | 9,985 | 1,427,988 | 144 | 334,939 | 8,493 | 1,175 | 9,669 | 326,446 |
| 145 | 1,427,988 | 4,119 | 5,867 | 3,985 | 1,423,869 | 145 | 326,445 | 8,523 | 1,145 | 9,669 | 317,923 |
| 146 | 1,423,869 | 4,136 | 5,850 | 9,985 | 1,419,733 | 146 | 317,923 | 8,553 | 1,115 | 9,669 | 309,369 |
| 147 | 1,419,733 | 4,153 | 5,833 | 9,985 | 1,415,581 | 147 | 309,369 | 8,583 | 1,085 | 9,669 | 300,786 |
| 148 | 1,415,581 | 4,170 | 5,816 | 9,985 | 1,411,411 | 148 | 300,786 | 8,613 | 1,055 | 9,669 | 202,173 |
| 149 | 1,411,411 | 4,187 | 5,799 | 9,985 | 1,407,224 | 149 | 292,173 | 8,643 | 1,025 | 9,669 | 283,530 |
| 150 | 1,407,224 | 4,204 | 5,781 | 9,985 | 1,403,020 | 150 | 283,530 | 8,674 | 995 | 9,669 | 274,856 |
| 151 | 1,403,020 | 4,221 | 5,764 | 9,985 | 1,398,799 | 151 | 274,856 | 8,704 | 954 | 9,669 | 266,152 |
| 152 | 1,398,799 | 4,239 | 5,747 | 9,985 | 1,394,560 | 152 | 266,152 | 8,735 | 934 | 9,669 | 257,417 |


| 153 | 1,394,560 | 4,256 | 5,729 | 9,985 | 1,390,304 | 153 | 257,417 | 8,765 | 903 | 9,669 | 248,651 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 154 | 1,390,304 | 4,274 | 5,712 | 9,985 | 1,386,031 | 154 | 248,651 | 8,796 | 872 | 9,669 | 239,855 |
| 155 | 1,386,031 | 4,291 | 5,694 | 9,985 | 1,381,740 | 155 | 239,855 | 8,827 | 841 | 9,669 | 231,028 |
| 156 | 1,381,740 | 4,309 | 5,677 | 9,985 | 1,377,431 | 156 | 231,028 | 8,858 | 811 | 9,669 | 222,170 |
| 157 | 1,377,431 | 4,326 | 5,659 | 9,985 | 1,373,105 | 157 | 222,170 | 8,889 | 779 | 9,669 | 213,281 |
| 158 | 1,373,105 | 4,344 | 5,641 | 9,985 | 1,368,761 | 158 | 213,281 | 8,920 | 748 | 9,669 | 204,361 |
| 159 | 1,368,761 | 4,362 | 5,623 | 9,985 | 1,364,399 | 159 | 204,361 | 8,952 | 717 | 9,669 | 195,409 |
| 160 | 1,364,399 | 4,380 | 5,605 | 9,985 | 1,360,019 | 160 | 195,409 | 8,983 | 686 | 9,669 | 186,426 |
| 161 | 1,360,019 | 4,398 | 5,587 | 9,985 | 1,355,621 | 161 | 185,426 | 9,014 | 654 | 9,669 | 177,412 |
| 162 | 1,355,621 | 4,41.6 | 5,569 | 9,985 | 1,351,205 | 162 | 177,412 | 9,046 | 622 | 9,669 | 168,366 |
| 163 | 1,351,205 | 4,434 | 5,551 | 9,985 | 1,346,770 | 163 | 168,366 | 9,078 | 591 | 9,669 | 159,288 |
| 154 | 1,346,770 | 4,452 | 5,533 | 9,985 | 1,342,318 | 164 | 159,288 | 9,110 | 559 | 9,669 | 150,278 |
| 165 | 1,342,318 | 4,471 | 5,515 | 9,985 | 1,337,847 | 165 | 150,178 | 9,142 | 527 | 9,669 | 141,037 |
| 166 | 1,337,847 | 4,489 | 5,496 | 9,985 | 1,333,358 | 166 | 141,037 | 9,174 | 495 | 9,669 | 131,863 |
| 167 | 1,333,358 | 4,507 | 5,478 | 9,985 | 1,328,851 | 167 | 131,863 | 9,206 | 463 | 9,669 | 122,657 |
| 168 | 1,328,851 | 4,526 | 5,459 | 9,985 | 1,324,325 | 168 | 122,657 | 9,238 | 430 | 9,669 | 113,419 |
| 169 | 1,324,325 | 4,545 | 5,441 | 9,985 | 1,319,780 | 169 | 113,419 | 9,271 | 398 | 9,669 | 104,148 |
| 170 | 1,319,780 | 4,563 | 5,422 | 9,985 | 1,315,217 | 170 | 104,148 | 9,303 | 365 | 9,669 | 94,845 |
| 171 | 1,315,217 | 4,582 | 5,403 | 9,985 | 1,310,635 | 171 | 94,845 | 9,336 | 333 | 9,669 | 85,510 |
| 172 | 1,310,635 | 4,601 | 5,385 | 9,985 | 1,306,034 | 172 | 85,510 | 9,369 | 300 | 9,669 | 76,141 |
| 173 | 1,306,034 | 4,620 | 5,366 | 9,985 | 1,301,415 | 173 | 76,141 | 9,401 | 267 | 9,669 | 66,740 |
| 174 | 1,301,415 | 4,639 | 5,347 | 9,985 | 1,296,776 | 174 | 66,740 | 9,434 | 234 | 9,669 | 57,305 |
| 175 | 1,296,776 | 4,658 | 5,328 | 9,985 | 1,292,118 | 175 | 57,305 | 9,467 | 201 | 9,669 | 47,838 |
| 176 | 1,292,118 | 4,677 | 5,308 | 9,985 | 1,287,441 | 176 | 47,838 | 9,501 | 168 | 5,669 | 38,337 |
| 177 | 1,287,441 | 4,696 | 5,289 | 9,985 | 1,282,745 | 177 | 38,337 | 9,534 | 134 | 9,669 | 28,803 |
| 178 | 1,282,745 | 4,715 | 5,270 | 9,985 | 1,278,030 | 178 | 28,803 | 9,567 | 101 | 9,669 | 19,236 |
| 179 | 1,278,030 | 4,735 | 5,251 | 9,985 | 1,273,295 | 179 | 19,236 | 9,601 | 67 | 9,669 | 9,635 |
| 180 | 1,273,295 | 4,754 | 5,231 | 9,985 | 1,268,541 | 180 | 9,635 | 9,635 | 34 | 9,669 | 0 |
| 181 | 1,268,541 | 4,774 | 5,212 | 9,985 | 1,263,767 | 181 | 0 | 9,669 | 0 | 9,669 | -9,669 |
| 182 | 1,263,767 | 4,793 | 5,192 | 9,985 | 1,258,974 | 182 | -9,669 | 9,702 | -34 | 9,669 | -19,371 |
| 183 | 1,258,974 | 4,813 | 5,172 | 9,985 | 1,254,161 | 183 | -10,371 | 9,736 | -68 | 9,669 | -29,107 |
| 184 | 1,254,161 | 4,833 | 5,153 | 9,985 | 1,249,328 | 184 | -29,107 | 9,771 | -102 | 9,669 | -38,878 |
| 185 | 1,249,328 | 4,853 | 5,133 | 9,985 | 1,244,475 | 185 | -38,878 | 9,805 | -136 | 9,669 | -48,683 |
| 186 | 1,244,475 | 4,873 | 5,113 | 9,985 | 1,239,602 | 186 | -48,683 | 9,839 | -171 | 9,669 | -58,522 |
| 187 | 1,239,602 | 4,893 | 5,093 | 9,985 | 1,234,710 | 187 | -58,522 | 9,874 | -205 | 9,669 | -68,396 |
| 188 | 1,234,710 | 4,913 | 5,073 | 9,985 | 1,229,797 | 188 | -68,396 | 9,908 | -240 | 9,669 | -78,305 |
| 189 | 1,229,797 | 4,933 | 5,052 | 9,985 | 1,224,854 | 189 | -78,305 | 9,943 | -275 | 9,669 | -88,248 |
| 190 | 1,224,864 | 4,953 | 5,032 | 9,985 | 1,219,911 | 190 | -88,248 | 9,978 | -310 | 9,669 | -98,226 |
| 191 | 1,219,911 | 4,974 | 5,012 | 9,985 | 1,214,937 | 191 | -98,226 | 10,013 | -345 | 9,669 | -108,239 |
| 192 | 1,214,937 | 4,994 | 4,991 | 9,985 | 1,209,943 | 192 | -108,239 | 10,048 | -380 | 9,669 | -118,287 |
| 193 | 1,209,943 | 5,014 | 4,971 | 9,985 | 1,204,929 | 193 | -118,287 | 10,083 | -415 | 9,669 | -128,371 |
| 194 | 1,204,929 | 5,035 | 4,950 | 9,985 | 1,199,894 | 194 | -128,371 | 10,119 | -450 | 9,669 | -138,490 |
| 195 | 1,199,894 | 5,056 | 4,930 | 5,985 | 1,194,838 | 195 | -138,490 | 10,154 | -486 | 9,669 | -148,644 |
| 196 | 1,194,838 | 5,077 | 4,909 | 9,985 | 1,189,762 | 196 | -148,644 | 10,190 | -521 | 9,669 | -158,834 |
| 197 | 1,189,762 | 5,097 | 4,888 | 9,985 | 1,184,664 | 197 | -158,834 | 10,226 | -557 | 9,669 | -169,060 |
| 198 | 1,184,664 | 5,118 | 4,867 | 9,985 | 1,179,546 | 198 | -169,060 | 10,262 | -593 | 9,669 | -179,321 |
| 199 | 1,179,545 | 5,139 | 4,846 | 9,985 | 1,174,406 | 199 | -179,321 | 10,298 | -629 | 9,669 | -189,619 |
| 200 | 1,174,406 | 5,160 | 4,825 | 9,985 | 1,169,246 | 200 | -189,619 | 10,334 | -665 | 9,669 | -199,953 |
| 201 | 1,169,246 | 5,182 | 4,804 | 9,985 | 1,164,064 | 201 | -199,953 | 10,370 | -702 | 9,669 | -210,323 |
| 202 | 1,164,054 | 5,203 | 4,782 | 9,985 | 1,158,861 | 202 | -210,323 | 10,406 | -738 | 9,669 | -220,729 |
| 203 | 1,158,861 | 5,224 | 4,761 | 9,985 | 1,153,637 | 203 | -220,729 | 10,443 | -774 | 9,669 | -231,172 |
| 204 | 1,153,637 | 5,246 | 4,740 | 9,985 | 1,148,391 | 204 | -231,172 | 10,480 | -811 | 9,669 | -241,652 |
| 205 | 1,148,391 | 5,267 | 4,718 | 9,985 | 1,143,124 | 205 | -241,652 | 10,516 | -848 | 9,669 | -252,168 |
| 206 | 1,143,124 | 5,289 | 4,696 | 9,985 | 1,137,835 | 206 | -252,168 | 10,553 | -885 | 9,669 | -262,721 |
| 207 | 1,137,835 | 5,311 | 4,675 | 9,985 | 1,132,524 | 207 | -262,721 | 10,590 | -922 | 9,669 | -273,311 |
| 208 | 1,132,524 | 5,333 | 4,653 | 9,985 | 1,127,191 | 208 | -273,311 | 10,627 | -959 | 9,669 | -283,939 |
| 209 | 1,127,191 | 5,354 | 4,631 | 9,985 | 1,121,837 | 209 | -283,939 | 10,665 | -996 | 9,669 | -294,603 |


| 210 | 1,121,837 | 5,376 | 4,609 | 9,985 | 1,116,460 | 210 | -294,603 | 10,702 | -1,034 | 9,669 | -305,305 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 211 | 1,116,460 | 5,399 | 4,587 | 9,985 | 1,111,062 | 211 | -305,305 | 10,740 | -1,071 | 9,669 | -316,045 |
| 212 | 1,111,062 | 5,421 | 4,565 | 9,985 | 1,105,641 | 212 | -316,045 | 10,777 | $-1,109$ | 9,669 | -326,822 |
| 213 | 1,105,641 | 5,443 | 4,542 | 9,985 | 1,100,198 | 213 | -326,822 | 10,815 | -1,147 | 9,669 | -337,637 |
| 214 | 1,100,198 | 5,465 | 4,520 | 9,985 | 1,094,733 | 214 | -337,637 | 10,853 | $-1,185$ | 9,669 | -348,490 |
| 215 | 1,094,733 | 5,488 | 4,498 | 9,985 | 1,089,245 | 215 | -348,490 | 10,891 | -1,223 | 9,669 | -359,382 |
| 216 | 1,089,245 | 5,510 | 4,475 | 9,985 | 1,083,735 | 216 | -359,382 | 10,929 | -1,261 | 9,669 | -370,311 |
| 217 | 1,083,735 | 5,533 | 4,452 | 9,985 | 1,078,202 | 217 | -370,311 | 10,968 | -1,299 | 9,669 | -381,279 |
| 218 | 1,078,202 | 5,556 | 4,430 | 9,985 | 1,072,646 | 218 | -381,279 | 11,006 | $-1,338$ | 9,669 | -392,285 |
| 219 | 1,072,646 | 5,579 | 4,407 | 9,985 | 1,067,067 | 219 | -392,285 | 11,045 | -1,376 | 9,669 | -403,329 |
| 220 | 1,067,067 | 5,601 | 4,384 | 9,985 | 1,061,466 | 220 | -403,329 | 11,084 | $-1,415$ | 9,669 | -414,413 |
| 221 | 1,061,466 | 5,624 | 4,361 | 9,985 | 1,055,841 | 221 | -414,413 | 11,122 | -1,454 | 9,669 | -425,535 |
| 222 | 1,055,841 | 5,648 | 4,338 | 9,985 | 1,050,194 | 222 | -425,535 | 11,161 | -1,493 | 9,669 | -436,697 |
| 223 | 1,050,194 | 5,671 | 4,315 | 9,985 | 1,044,523 | 223 | -436,697 | 11,201 | $-1,532$ | 9,669 | -447,897 |
| 224 | 1,044,523 | 5,694 | 4,291 | 9,985 | 1,038,829 | 224 | -447,897 | 11,240 | -1,571 | 9,669 | -459,137 |
| 225 | 1,038,829 | 5,717 | 4,258 | 9,985 | 1,033,111 | 225 | -459,137 | 11,279 | $-1,611$ | 9,669 | -470,417 |
| 225 | 1,033,111 | 5,741 | 4,244 | 9,985 | 1,027,370 | 226 | -470,417 | 11,319 | -1,650 | 9,669 | -481,735 |
| 227 | 1,027,370 | 5,765 | 4,221 | 9,985 | 1,021,606 | 227 | -481,735 | 11,359 | -1,690 | 9,669 | -493,094 |
| 228 | 1,021,606 | 5,788 | 4,197 | 9,985 | 1,015,818 | 228 | -493,094 | 11,398 | $-1,730$ | 9,669 | -504,493 |
| 229 | 1,015,818 | 5,812 | 4,173 | 9,985 | 1,010,006 | 229 | -504,493 | 11,438 | -1,770 | 9,669 | -515,931 |
| 230 | 1,010,006 | 5,836 | 4,149 | 9,985 | 1,004,170 | 230 | -515,931 | 11,479 | -1,810 | 9,669 | -527,410 |
| 231 | 1,004,170 | 5,860 | 4,125 | 9,985 | 998,310 | 231 | -527,410 | 11,519 | -1,850 | 9,669 | -538,928 |
| 232 | 998,310 | 5,884 | 4,101 | 9,985 | 992,426 | 232 | -538,928 | 11,559 | -1,891 | 9,569 | -550,488 |
| 233 | 992,426 | 5,908 | 4,077 | 9,985 | 986,518 | 233 | -550,488 | 11,600 | -1,931 | ¢,569 | -562,087 |
| 234 | 986,518 | 5,932 | 4,053 | 9,985 | 980,585 | 234 | -562,087 | 11,640 | -1,972 | 9,669 | -573,728 |
| 235 | 980,585 | 5,957 | 4,029 | 9,985 | 974,629 | 235 | -573,728 | 11,681 | -2,013 | 9,669 | -585,409 |
| 236 | 974,629 | 5,981 | 4,004 | 9,985 | 968,647 | 236 | -585,409 | 11,722 | -2,054 | 9,669 | -597,132 |
| 237 | 968,647 | 6,006 | 3,980 | 9,985 | 962,641 | 237 | -597,132 | 11,763 | -2,095 | 9,569 | -608,895 |
| 238 | 962,641 | 6,030 | 3,955 | 9,985 | 956,611 | 238 | -508,895 | 11,805 | -2,136 | 9,669 | -620,700 |
| 239 | 956,611 | 6,055 | 3,930 | 9,985 | 950,556 | 239 | -620,700 | 11,946 | -2,178 | 9,659 | -632,516 |
| 240 | 950,556 | 6,080 | 3,905 | 9,985 | 944,476 | 240 | -632,546 | 11,888 | -2,219 | 9,669 | -644,434 |
| 241 | 944,476 | 6,105 | 3,880 | 9,985 | 938,370 | 241 | -644,434 | 11,929 | -2,251 | 9,669 | -656,363 |
| 242 | 938,370 | 6,130 | 3,855 | 9,985 | 932,240 | 242 | -656,363 | 11,971 | -2,303 | 9,669 | -668,334 |
| 243 | 932,240 | 6,155 | 3,830 | 9,985 | 926,085 | 243 | -668,334 | 12,013 | -2,345 | 9,569 | -680,347 |
| 244 | 926,085 | 6,181 | 3,805 | 9,985 | 919,904 | 244 | -680,347 | 12,055 | -2,387 | 9,669 | -692,403 |
| 245 | 919,904 | 6,206 | 3,779 | 9,985 | 913,698 | 245 | -692,403 | 12,098 | -2,429 | 9,669 | -704,500 |
| 246 | 913,698 | 6,232 | 3,754 | 9,985 | 907,467 | 246 | -704,500 | 12,140 | -2,472 | 9,669 | -716,641 |
| 247 | 907,467 | 6,257 | 3,728 | 9,985 | 901,209 | 247 | -716,641 | 12,183 | -2,514 | 9,669 | -728,823 |
| 248 | 901,209 | 6,283 | 3,702 | 9,985 | 894,926 | 248 | -728,823 | 12,225 | -2,557 | 9,669 | -741,049 |
| 249 | 894,926 | 6,309 | 3,677 | 9,985 | 888,618 | 249 | -741,049 | 12,268 | -2,600 | 9,669 | -753,317 |
| 250 | 888,618 | 6,335 | 3,651 | 9,985 | 882,283 | 250 | -753,317 | 12,311 | -2,643 | 9,669 | -765,629 |
| 251 | 882,283 | 6,361 | 3,625 | 9,985 | 875,923 | 251 | -765,629 | 12,355 | -2,686 | 9,669 | -777,983 |
| 252 | 875,923 | 6,387 | 3,599 | 9,985 | 869,536 | 252 | -777,983 | 12,398 | -2,729 | 9,669 | -790,381 |
| 253 | 869,536 | 6,413 | 3,572 | 9,985 | 863,123 | 253 | -790,381 | 12,441 | -2,773 | 9,669 | -802,822 |
| 254 | 863,123 | 6,439 | 3,546 | 9,985 | 856,683 | 254 | -802,822 | 12,485 | $-2,817$ | 9,669 | -815,308 |
| 255 | 856,683 | 6,466 | 3,520 | 9,985 | 850,218 | 255 | -815,308 | 12,529 | -2,860 | 9,669 | -827,836 |
| 256 | 850,218 | 6,492 | 3,493 | 9,985 | 843,725 | 256 | -827,836 | 12,573 | $-2,904$ | 9,669 | -840,409 |
| 257 | 843,725 | 6,519 | 3,466 | 9,985 | 837,206 | 257 | -840,409 | 12,617 | $-2,948$ | 9,669 | -853,025 |
| 258 | 837,206 | 6,546 | 3,440 | 9,985 | 830,650 | 258 | -853,026 | 12,661 | -2,993 | 9,669 | -865,687 |
| 259 | 830,660 | 6,573 | 3,413 | 9,985 | 824,088 | 259 | -865,687 | 12,706 | -3,037 | 9,669 | -878,393 |
| 260 | 824,088 | 6,600 | 3,386 | 9,985 | 817,488 | 260 | -878,393 | 12,750 | -3,082 | 9,669 | -891,143 |
| 261 | 817,488 | 6,627 | 3,359 | 9,985 | 810,861 | 261 | -891,143 | 12,795 | -3,126 | 9,669 | -903,938 |
| 262 | 810,861 | 5,654 | 3,331 | 9,985 | 804,207 | 262 | -903,938 | 12,840 | -3,171 | 9,669 | -916,778 |
| 263 | 804,207 | 6,681 | 3,304 | 9,985 | 797,526 | 263 | -916,778 | 12,885 | -3,216 | 9,669 | -929,663 |
| 264 | 797,526 | 6,709 | 3,277 | 9,985 | 790,817 | 264 | -929,663 | 12,930 | -3,262 | 9,669 | -942,593 |
| 265 | 790,817 | 6,736 | 3,249 | 9,985 | 784,080 | 265 | -942,593 | 12,975 | -3,307 | 9,669 | -955,568 |
| 265 | 784,080 | 6,764 | 3,221 | 9,985 | 771,316 | 266 | -955,568 | 13,021 | -3,352 | 9,669 | -968,589 |


| 267 | 777,316 | 6,792 | 3,193 | 9,985 | 770,524 | 267 | -968,589 | 13,067 | -3,398 | 9,669 | -981,656 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 268 | 770,524 | 6,820 | 3,166 | 9,985 | 763,705 | 268 | -981,656 | 13,112 | -3,444 | 9,669 | -994,768 |
| 269 | 763,705 | 6,848 | 3,138 | 9,985 | 756,857 | 269 | -994,768 | 13,158 | $-3,490$ | 9,669 | -1,007,927 |
| 270 | 756,857 | 6,876 | 3,109 | 9,985 | 749,981 | 270 | -1,007,927 | 13,205 | -3,536 | 9,669 | -1,021,132 |
| 271 | 749,981 | 6,904 | 3,081 | 9,985 | 743,077 | 271 | -1,021,132 | 13,251 | -3,582 | 9,669 | -1,034,383 |
| 272 | 743,077 | 6,933 | 3,053 | 9,985 | 736,144 | 272 | -1,034,383 | 13,297 | -3,629 | 9,669 | -1,047,680 |
| 273 | 736,144 | 6,961 | 3,024 | 9,985 | 729,183 | 273 | -1,047,680 | 13,344 | -3,676 | 9,669 | -1,061,024 |
| 274 | 729,183 | 6,990 | 2,996 | 9,985 | 722,194 | 274 | -1,061,024 | 13,391 | -3,722 | 9,669 | -1,074,415 |
| 275 | 722,194 | 7,018 | 2,967 | 9,985 | 715,175 | 275 | -1,074,415 | 13,438 | -3,769 | 9,669 | -1,087,853 |
| 276 | 715,175 | 7,047 | 2,938 | 9,985 | 708,128 | 276 | -1,087,853 | 13,485 | -3,817 | 9,669 | -1,101,338 |
| 277 | 708,128 | 7,076 | 2,909 | 9,985 | 701,052 | 277 | -1,101,338 | 13,532 | -3,864 | 9,669 | -1,114,870 |
| 278 | 701,052 | 7,105 | 2,880 | 9,985 | 693,947 | 278 | -1,114,870 | 13,580 | -3,911 | 9,669 | -1,128,450 |
| 279 | 693,947 | 7,134 | 2,851 | 9,985 | 686,812 | 279 | -1,128,450 | 13,627 | -3,959 | 9,669 | -1,142,078 |
| 280 | 686,812 | 7,164 | 2,822 | 9,985 | 679,549 | 280 | -1,142,078 | 13,675 | -4,007 | 9,669 | -1,155,753 |
| 281 | 679,649 | 7,193 | 2,792 | 9,985 | 672,456 | 281 | -1,155,753 | 13,723 | -4,055 | 9,669 | -1,169,476 |
| 282 | 672,456 | 7,223 | 2,763 | 9,985 | 665,233 | 282 | -1,169,476 | 13,771 | -4,103 | 9,669 | -1,183,248 |
| 283 | 665,233 | 7,252 | 2,733 | 9,985 | 657,981 | 283 | -1,183,248 | 13,820 | -4,151 | 9,669 | -1,197,067 |
| 284 | 657,981 | 7,282 | 2,703 | 9,985 | 650,699 | 284 | -1,197,067 | 13,868 | -4,200 | 9,669 | -1,210,936 |
| 285 | 650,699 | 7,312 | 2,673 | 9,985 | 643,386 | 285 | -1,210,936 | 13,917 | -4,248 | 9,669 | -1,224,853 |
| 286 | 643,386 | 7,342 | 2,643 | 9,985 | 636,044 | 286 | -1,224,853 | 13,966 | -4,297 | 9,669 | -1,238,818 |
| 287 | 536,044 | 7,372 | 2,613 | 9,985 | 628,672 | 287 | -1,238,818 | 14,015 | -4,346 | 9,669 | -1,252,833 |
| 288 | 628,672 | 7,403 | 2,583 | 9,985 | 621,270 | 288 | -1,252,833 | 14,064 | -4,395 | 9,669 | -1,266,897 |
| 289 | 621,270 | 7,433 | 2,552 | 9,985 | 613,837 | 289 | -1,266,897 | 14,113 | -4,445 | 9,669 | -1,281,010 |
| 290 | 613,837 | 7,463 | 2,522 | 9,985 | 606,373 | 290 | -1,281,010 | 14,163 | -4,494 | 9,669 | -1,295,173 |
| 291 | 606,373 | 7,494 | 2,491 | 9,985 | 598,879 | 291 | -1,295,173 | 14,212 | -4,544 | 9,669 | -1,309,385 |
| 292 | 598,879 | 7,525 | 2,460 | 9,985 | 591,354 | 292 | -1,309,385 | 14,262 | -4,594 | 9,669 | -1,323,647 |
| 293 | 591,354 | 7,556 | 2,429 | 9,985 | 583,798 | 293 | -1,323,647 | 14,312 | -4,544 | 3,569 | -1,337,960 |
| 294 | 583,798 | 7,587 | 2,398 | 9,985 | 576,211 | 294 | -1,337,950 | 14,363 | -4,694 | 9,669 | -1,352,322 |
| 295 | 576,211 | 7,618 | 2,367 | 9,985 | 568,593 | 295 | -1,352,322 | 14,413 | -4,744 | s,669 | -1,366,735 |
| 296 | 568,593 | 7,649 | 2,336 | 9,985 | 560,944 | 296 | -1,366,735 | 14,463 | -4,795 | 9,669 | -1,381,199 |
| 297 | 560,944 | 7,681 | 2,305 | 9,985 | 553,263 | 297 | -1,381,199 | 14,514 | -4,846 | 9,669 | -1,395,713 |
| 298 | 553,263 | 7,712 | 2,273 | 9,985 | 545,551 | 298 | -1,395,713 | 14,565 | -4,897 | 9,669 | -1,410,278 |
| 299 | 545,551 | 7,744 | 2,241 | 9,985 | 537,807 | 299 | $-1,410,278$ | 14,616 | -4,948 | 9,669 | -1,424,894 |
| 300 | 537,807 | 7,776 | 2,209 | 9,985 | 530,031 | 300 | -1,424,894 | 14,668 | -4,999 | 9,669 | -1,439,562 |
| 301 | 530,031 | 7,808 | 2,178 | 9,985 | 522,223 | 301 | -1,439,562 | 14,719 | -5,050 | 9,669 | -1,454,281 |
| 302 | 522,223 | 7,840 | 2,145 | 9,985 | 514,383 | 302 | -1,454,281 | 14,771 | -5,102 | 9,669 | -1,469,051 |
| 303 | 514,383 | 7,872 | 2,113 | 9,985 | 506,511 | 303 | -1,469,051 | 14,822 | -5,154 | 9,669 | -1,483,874 |
| 304 | 506,511 | 7,904 | 2,081 | 9,985 | 498,607 | 304 | -1,483,874 | 14,874 | -5,206 | 9,669 | -1,498,748 |
| 305 | 498,607 | 7,937 | 2,048 | 9,985 | 490,670 | 305 | -1,498,748 | 14,927 | -5,258 | 9,669 | -1,513,675 |
| 306 | 490,670 | 7,970 | 2,016 | 9,985 | 482,700 | 306 | -1,513,675 | 14,979 | -5,310 | 9,669 | -1,528,654 |
| 307 | 482,700 | 8,002 | 1,983 | 9,985 | 474,698 | 307 | -1,528,654 | 15,032 | -5,363 | 9,669 | -1,543,685 |
| 308 | 474,698 | 8,035 | 1,950 | 9,985 | 466,663 | 308 | -1,543,685 | 15,084 | -5,416 | 9,669 | -1,558,769 |
| 309 | 466,663 | 8,058 | 1,917 | 9,985 | 458,595 | 309 | -1,558,769 | 15,137 | -5,469 | 9,669 | -1,573,907 |
| 310 | 458,595 | 8,101 | 1,884 | 9,985 | 450,493 | 310 | -1,573,907 | 15,190 | -5,522 | 9,669 | -1,589,097 |
| 311 | 450,493 | 8,135 | 1,851 | 9,985 | 442,359 | 311 | -1,589,097 | 15,244 | -5,575 | 9,669 | -1,604,341 |
| 312 | 442,359 | 8,168 | 1,817 | 9,985 | 434,191 | 312 | -1,604,341 | 15,297 | -5,629 | 9,669 | -1,619,638 |
| 313 | 434,191 | 8,202 | 1,784 | 9,985 | 425,989 | 313 | -1,619,638 | 15,351 | -5,682 | 9,659 | -1,534,988 |
| 314 | 425,989 | 8,235 | 1,750 | 9,985 | 417,754 | 314 | -1,634,988 | 15,405 | -5,736 | 9,669 | -1,650,393 |
| 315 | 417,754 | 8,269 | 1,716 | 9,985 | 409,485 | 315 | -1,650,393 | 15,459 | -5,790 | 9,669 | -1,665,852 |
| 316 | 409,485 | 8,303 | 1,682 | 9,985 | 401,182 | 316 | -1,665,852 | 15,513 | -5,844 | 9,669 | -1,681,364 |
| 317 | 401,182 | 8,337 | 1,648. | 9,985 | 392,845 | 317 | -1,681,364 | 15,567 | -5,899 | 9,569 | -1,696,932 |
| 318 | 392,845 | 8,371 | 1,614 | 9,985 | 384,473 | 318 | -1,696,932 | 15,622 | -5,953 | 9,669 | -1,712,554 |
| 319 | 384,473 | 8,406 | 1,580 | 9,985 | 376,067 | 319 | -1,712,554 | 15,677 | -6,008 | 9,669 | -1,728,230 |
| 320 | 376,067 | 8,440 | 1,545 | 9,985 | 367,627 | 320 | -1,728,230 | 15,732 | -6,063 | 9,669 | -1,743,962 |
| 321 | 367,627 | 8,475 | 1,510 | 9,985 | 359,152 | 321 | -1,743,962 | 15,787 | -6,118 | 9,669 | -1,759,749 |
| 322 | 359,152 | 8,510 | 1,476 | 9,985 | 350,642 | 322 | -1,759,749 | 15,842 | -6,174 | 9,669 | -1,775,591 |
| 323 | 350,642 | 8,545 | 1,441 | 9,985 | 342,098 | 323 | -1,775,591 | 15,898 | -6,229 | 9,669 | -1,791,489 |


| 342,098 | 8,580 | 1,405 | 9,985 | 333,518 |
| ---: | ---: | ---: | ---: | ---: |
| 333,518 | 8,615 | 1,370 | 9,985 | 324,902 |
| 324,902 | 8,651 | 1,335 | 9,985 | 316,252 |
| 316,252 | 8,686 | 1,299 | 9,985 | 307,566 |
| 307,566 | 8,722 | 1,264 | 9,985 | 298,844 |
| 298,844 | 8,758 | 1,228 | 9,985 | 290,087 |
| 290,087 | 8,794 | 1,192 | 9,985 | 281,293 |
| 281,293 | 8,830 | 1,156 | 9,985 | 272,463 |
| 272,463 | 8,866 | 1,119 | 9,985 | 263,597 |
| 263,597 | 8,902 | 1,083 | 9,985 | 254,695 |
| 254,695 | 8,939 | 1,046 | 9,985 | 245,756 |
| 245,756 | 8,976 | 1,010 | 9,985 | 236,780 |
| 236,780 | 9,013 | 973 | 9,985 | 227,768 |
| 227,768 | 9,050 | 936 | 9,985 | 218,718 |
| 218,718 | 9,987 | 899 | 9,985 | 209,631 |
| 209,631 | 9,124 | 861 | 9,985 | 200,507 |
| 200,507 | 9,162 | 824 | 9,985 | 191,346 |
| 191,346 | 9,199 | 786 | 9,985 | 182,146 |
| 182,145 | 9,237 | 748 | 9,985 | 172,909 |
| 172,909 | 9,275 | 710 | 9,985 | 163,634 |
| 163,634 | 9,313 | 672 | 9,985 | 154,321 |
| 154,321 | 9,351 | 634 | 9,985 | 144,970 |
| 144,970 | 9,390 | 596 | 9,985 | 135,580 |
| 135,580 | 9,428 | 557 | 9,985 | 126,152 |
| 126,152 | 9,467 | 518 | 9,985 | 116,685 |
| 116,685 | 9,506 | 479 | 9,985 | 107,179 |
| 107,179 | 9,545 | 440 | 9,985 | 97,634 |
| 97,634 | 9,584 | 401 | 9,985 | 88,050 |
| 88,050 | 9,624 | 362 | 9,985 | 78,426 |
| 78,426 | 9,663 | 322 | 9,985 | 68,763 |
| 68,763 | 9,703 | 283 | 9,985 | 59,060 |
| 59,060 | 9,743 | 243 | 9,985 | 49,317 |
| 49,317 | 9,783 | 203 | 9,985 | 39,534 |
| 39,534 | 9,823 | 162 | 9,985 | 29,712 |
| 29,712 | 9,863 | 122 | 9,985 | 19,848 |
| 19,848 | 9,904 | 82 | 9,985 | 9,944 |
| 9,944 | 9,944 | 41 | 9,985 | 0 |


| $-1,791,489$ |
| :--- |
| $-1,807,443$ |
| $-1,823,452$ |
| $-1,839,518$ |
| $-1,855,640$ |
| $-1,871,819$ |
| $-1,888,055$ |
| $-1,904,347$ |
| $-1,920,697$ |
| $-1,937,104$ |
| $-1,953,568$ |
| $-1,970,090$ |
| $-1,986,671$ |
| $-2,003,309$ |
| $-2,020,006$ |
| $-2,036,761$ |
| $-2,053,575$ |
| $-2,070,448$ |
| $-2,087,381$ |
| $-2,104,372$ |
| $-2,121,424$ |
| $-2,138,535$ |
| $-1,15,706$ |
| $-2,172,938$ |
| $-2,190,259$ |
| $-2,207,582$ |
| $-2,224,995$ |
| $-2,242,470$ |
| $-2,260,006$ |
| $-2,277,603$ |
| $-2,295,262$ |
| $-2,312,983$ |
| $-2,330,767$ |
| $-2,348,612$ |
| $-2,366,520$ |
| $-2,384,491$ |
| $-2,402,526$ |


| 15,954 | $-6,285$ | 9,669 |
| :--- | :--- | :--- |
| 16,010 | $-6,341$ | 9,669 |
| 16,066 | $-6,397$ | 9,669 |
| 16,122 | $-6,454$ | 9,669 |
| 16,179 | $-6,510$ | 9,669 |
| 16,235 | $-6,567$ | 9,669 |
| 16,292 | $-6,624$ | 9,669 |
| 16,350 | $-6,681$ | 9,669 |
| 16,407 | $-6,738$ | 9,669 |
| 16,465 | $-6,796$ | 9,669 |
| 16,522 | $-6,854$ | 9,669 |
| 16,580 | $-6,912$ | 9,669 |
| 15,638 | $-6,970$ | 9,669 |
| 16,697 | $-7,028$ | 9,669 |
| 16,755 | $-7,087$ | 9,669 |
| 16,814 | $-7,146$ | 9,669 |
| 15,873 | $-7,205$ | 9,669 |
| 16,932 | $-7,264$ | 9,669 |
| 16,992 | $-7,323$ | 9,669 |
| 17,051 | $-7,383$ | 9,669 |
| 17,111 | $-7,443$ | 9,669 |
| 17,171 | $-7,503$ | 9,669 |
| 17,231 | $-7,563$ | 9,669 |
| 17,292 | $-7,623$ | 9,669 |
| 17,353 | $-7,684$ | 9,669 |
| 17,413 | $-7,745$ | 9,669 |
| 17,475 | $-7,806$ | 9,669 |
| 17,536 | $-7,867$ | 9,669 |
| 17,597 | $-7,929$ | 9,669 |
| 17,659 | $-7,991$ | 9,669 |
| 17,721 | $-8,053$ | 9,669 |
| 17,783 | $-8,115$ | 9,669 |
| 17,846 | $-8,177$ | 9,669 |
| 17,908 | $-8,240$ | 9,669 |
| 17,971 | $-8,303$ | 9,669 |
| 18,034 | $-8,366$ | 9,669 |
| 18,097 | $-8,429$ | 9,669 |
|  |  |  |

## RESOLUTION NO. 13-31

## RESOLUTION AUTHORIZING THE TRANSFER OF FUNDS TO COVER MONTHLY AFFORDABLE HOUSING EXPENSES

WHEREAS, Harris County Housing Authority (HCHA) maintains a separate checking account for affordable housing activities; and

WHEREAS, some monthly affordable housing expenses are incurred jointly with HCHA's other lines of business; and

WHEREAS, the attached expenses and descriptions were incurred for affordable housing activities within HCHA's main checking account for the following months and amounts:

April 2013: \$23,715.31
May 2013: $\$ 27,551.95$
NOW, THEREFORE, BE IT RESOLVED by the Board of Commissioners of the Harris County Housing Authority that the Chief Executive Officer is hereby authorized to transfer $\$ 51,267.26$ to the main HCHA checking account to cover the above cited affordable housing expenditures.

This resolution shall be in full force and effect from and upon its adoption.

PASSED, by the Board of Commissioners this 18th day of June 2013.

Chairman:


Attachments: Detailed expenditures for April and May 2013 affordable housing expenses

# Harris County Housing Authority <br> Affordable Housing Expenses <br> From 04/01/2013 Through 04/30/2013 

| Efrective Date | Description | Amount | Name |
| :---: | :---: | :---: | :---: |
| 4/5/2013 | ShareFile:Online virtual data room for PBTL - APR 2013 | 32.95 | Citibank |
| 4/5/2013 | FedEX - purchased boxes at retail store | 5.95 | Federal Express |
| 4/5/2013 | ShareFile:Online virtual data room PBTL - Prorated MAR | 17.26 | Citibank |
| 4/5/2013 | Gasoline Expense for March 2013 | 59.77 | FUELMAN |
| 4/5/2013 | Legal Notice RE: Retreat at Westlock, run $03 / 14$ \& $21 / 13$ | 896.66 | Houston Chronicle |
| 4/10/2013 | Reclass Payroll from G/L 11117 to G/L 11114 | 5,797.65 |  |
| 4/10/2013 | SS, Med, FU, and SU Taxes Employer - 04-11-13 | 670.72 |  |
| 4/10/2013 | FIT, SS, and Med Taxes Employee - 04-11-13 | 1,803.87 |  |
| 4/12/2013 | HCFCU - Payroll Deduction - 04/11/2013 | 264.00 | Harris County Federal Credit Union |
| 4/16/2013 | TCDRS - EE Contributions - March 2013 | 1,318.15 | Texas County \& District Retirement System |
| 4/16/2013 | TCDRS - ER Contributions - March 2013 | 1,935.80 | Texas County \& District Retirement System |
| 4/19/2013 | Mobile Monthly charge from 03/05/13 thru 04/04/13 | 72.29 | AT\&T Mobility |
| 4/19/2013 | Unum LTD Benefits Coverage: May 1-31, 2013 | 33.28 | Unum Life Insurance Company of America |
| 4/24/2013 | SS, Med, FU, and SU Taxes Employer - 04-25-13 | 637.73 |  |
| 4/24/2013 | FIT, SS, and Med Taxes Employee - 04-25-13 | 1,670.62 |  |
| 4/24/2013 | Reclass Payroll from G/L 11117 to G/L 11114 | 5,529.81 |  |
| 4/26/2013 | HCFCU - Payroll Deduction - 04/25/2013 | 264.00 | Harris County Federal Credit Union |
| 4/26/2013 | BCBS Group Health Insurance - May 2013 | 1,957.30 | Blue Cross Blue Shield of Texas |
| 4/26/2013 | Guardian Dental/Life Insurance - May 2013 | 163.55 | Guardian Life Insurance Company of |
| 4/26/2013 | PettyCashReimb. - meter parking downtown for meeting | 7.00 | Paul Curry |
| 4/26/2013 | United Healthcare - Vision \& STD 05/01/13 thru 05/31/13 | 62.44 | United Healthcare |
| 4/26/2013 | Zeno Imaging Copy Charges 03/12/13 thru 04/11/13 | 14.51 | Zeno Imaging |
| 4/30/2013 | Rcls Payroll Cash from G/L 11117 to G/L 11114 | 500.00 |  |

## 23,715.31

# Harris County Housing Authority <br> Affordable Housing Expenses <br> From 05/01/2013 Through 05/31/2013 

Efrective
Date

Amount
140.00
499.00
90.87
637.73

1,670.61
5,529.82
32.95
264.00

1,234.01
1,812.20
72.29
892.50
33.28
637.73

1,670.59
5,529.84

QuestMark Information Management, Inc Starta Development Inc
Voyager

Citibank
Harris County Federal Credit Union
Texas County \& District Retirement System
Texas County \& District Retirement System
AT\&T Mobility
The Cornwell Associates Accountants, Inc.
Unum Life Insurance Company of America

## AT\&T

Blue Cross Blue Shield of Texas
Partner Engineering and Science, Inc
Secretary of State
Secretary of State
Secretary of State
Secretary of State
Secretary of State
Secretary of State
Secretary of State
Secretary of State
United Healthcare
Zeno Imaging
Harris County Federal Credit Union
Dao CPA, P.C.
Guardian Life Insurance Company of Liberty Office Products

## RESOLUTION NO. 13-32

## RESOLUTION ADOPTING A REVISED HCHA ADMINISTRATIVE PLAN

WHEREAS, the Harris County Housing Authority (HCHA") held a Resident Advisory Board meeting on November 19, 2012; and

WHEREAS, HCHA held a public hearing on the revised HCHA Annual Plan and the revised HCHA Administrative Plan on January 11, 2013; and

WHEREAS, the HCHA Board of Commissioners approved the revised HCHA Annual Plan and the revised HCHA Administrative Plan at the January 23, 2013 meeting of the HCHA Board of Commissioners;

WHEREAS, HCHA staff has recommended the following changes for determining family unit (voucher) size;

WHEREAS, HCHA staff has recommended the following changes relating to short extensions for correcting identified issues in a unit inspected by HCHA;

WHEREAS, the recommended changes do not reflect significant amendments or substantial deviations or modifications to the HCHA Administrative Plan;

NOW, THEREFORE BE IT RESOLVED, that HCHA hereby adopts the HCHA Administration Plan attached to this Resolution.

PASSED, by the Board of Commissioners this 18th day of June 2013.

Chairman:


Secretary:


Attachment: HCHA Administrative Plan

## PART II: SUBSIDY STANDARDS AND VOUCHER ISSUANCE

## 5-II.A. OVERVIEW

HCHA must establish subsidy standards that determine the number of bedrooms needed for families of different sizes and compositions. This part presents the policies that will be used to determine the family unit size (also known as the voucher size) a particular family should receive, and the policies that govern making exceptions to those standards. HCHA also must establish policies related to the issuance of the voucher, to the voucher term, and to any extensions or suspensions of that term.

## 5-II.B. DETERMINING FAMILY UNIT (VOUCHER) SIZE [24 CFR 982.402]

For each family, HCHA determines the appropriate number of bedrooms under HCHA subsidy standards and enters the family unit size on the voucher that is issued to the family. The family unit size does not dictate the size of unit the family must actually lease, nor does it determine who within a household will share a bedroom/sleeping room.
The following requirements apply when HCHA determines family unit size:

- The subsidy standards must provide for the smallest number of bedrooms needed to house a family without overcrowding.
- The subsidy standards must be consistent with space requirements under the housing quality standards.
- The subsidy standards must be applied consistently for all families of like size and composition.
- A child who is temporarily away from the home because of placement in foster care is considered a member of the family in determining the family unit size.
- A family that consists of a pregnant woman (with no other persons) must be treated as a twoperson family.
- Any live-in aide (approved by HCHA to reside in the unit to care for a family member who is disabled or is at least $\underline{6250}$ years of age) must be counted in determining the family unit size;
- Unless a live-in-aide resides with a family, the family unit size for any family consisting of a single person must be either a zero- or one-bedroom unit, as determined under HCHA subsidy standards.


## HCHA Policy

HCHA will assign the voucher size applicable to the family to allow two people per bedroom regardless of age, gender and relationship of the family members, ene bedreem fer caeh-twe-persens-within-the-heuseheld,-taking into aceount age, gender and retatienship-of the famity-members. Cireumstanees which might diotate a larger-size unit than the Subsidy Standatids inelude-when the following individuals-would otherwise өecupy the same bedroom:
Hetrehelt-memberio ineluding speuses, whe cannot share-a bedreem beeause of a-c...- Formatted: Indent; Left: 0.5" werified disability,

Adult household members of different generations (other than-speuses).
Adult household members of the opposite sex (other than spouses),
Adult hersohold member and-ahidage 13 months and-older.
Children of the oppesite sex age six and older;
Live-in aides for an elderly or disabled person and another household member;
Girethastanees-whieh-might-dietate-a-Harger-size-unit may alse oeeur when making ad-.... Formatted: Space After: 7 pt reasenable-aceommedation to apersen with a disability,
HCHA-will reference the following chat in detemining the appropriate voucher size for a family:
Voucher Size
Persons in Household
(Minimum-Maximum)
0 Bedroom ..... 1-1
1 Bedroom ..... 1-2
2 Bedrooms ..... 32-4
3 Bedrooms ..... 53-6
4 Bedrooms ..... 75-8
5 Bedrooms ..... 97-10
6 Bedrooms ..... 119-12

## 5-II.C. EXCEPTIONS TO SUBSIDY STANDARDS

In determining family unit size for a particular family, HCHA may grant an exception to its established subsidy standards if HCHA determines that the exeeption is jutified by the age,-sen, health, handieap, or relationship of family members or-ether personal- firetmetanees-_[24 EFR $982.402(b)(8)]$. Reasons may include, but ate not limitedtoin the following situations:

- Aneed-for an-additional bedroom for mediea-equipment
- A reasonable accommodation to a person with a disability;
- An elderly or disabled person who requires a live-in attendant.
- A need fer a separate bedroom for reasons related to a family member's disability, medieat-or health cendition

Fer-a-single-person-whe-is-net-elderly, disabled-of-a remaining family member, an exception tannoteride theregulaterylimit-ef-azere-er-one bedreom [24 CFR 982.402(b)(8)],

## HCHA Policy

HCHA will consider granting an exception for the above stated reasons any of the reasens specified in the regulation:-the age-sex, health, handicap, or relationship of family members orether-persontl-eireumstances.
The fanily must request any exception to the subsidy standards in writing. The request must explain the need or justification for a larger family unit size, and must include appropriate documentation. Requests based on health-related reasons must be verified by a knowledgeable professional source (e,g., doctor or health professional), unless the disability and the disability-related request for accommodation is readily apparent or otherwise known. The family's continued need for an additional bedroom due to special medical equipment must be re-verified at annual reexamination.

HCHA will metify the family-ef-ts-deternination within 10 business days of receiving the family's request, If a-partigipant-famty's request is deniect, the notice will infom the family of their- right-toreftrest an informal hearing.


#### Abstract

If an owner fails to correct life threatening conditions as required by HCHA, the housing assistance payment will be abated and the HAP contract will be terminated. See 8-II-G. If a family fails to correct a family caused life threatening condition as required by HCHA, HCHA may terminate the family's assistance. See 8-II.H. HCHA may give a short extension (not more than 24 additional hours) whenever the responsible party cannot be notified or it is impossible to effect the repair within the 24 -hour period. The owner will be required to repair an inoperable smoke detector unless HCHA determines that the family has intentionally disconnected it (by removing batteries or other means). In this case, the family will be required to repair the smoke detector within 24 hours. In those cases where there is leaking gas or potential of fire or other threat to public or personal safety of the tenant, and the responsible party cannot be notified or it is impossible to make the repair, the proper authority/entity will be notified by HCHA


## RESOLUTION AUTHORIZING THE CEO TO NEGOTIATE AND EXECUTE A LICENSE AGREEMENT WITH THE U.S. DEPARTMENT OF VETERANS AFFAIRS TO HOUSE VASH CASE MANAGERS AT HCHA

WHEREAS, HCHA has excess office space on the second floor of its office building; and
WHEREAS, the U.S. Department of Veterans Affairs (Veterans Affairs) provides case managers to give VASH recipients intensive case management; and

WHEREAS, the Veterans Affairs has indicated a desire to locate case managers at HCHA's office who provide case management to HCHA's VASH clients.

NOW, THEREFORE, BE IT RESOLVED, that the Chief Executive Officer of HCHA is hereby authorized to negotiate and execute a license agreement not to extend past August 2015 with the Veterans Affairs to locate up to 6 case managers at HCHA's offices in exchange for payment of all utilities, office cleaning expenses, and other expenses incurred by HCHA resulting from this license agreement, which license agreement may be terminated by either party with written 90-day notice.

This resolution shall be in full force and effect from and upon its adoption.
PASSED, by the Board of Commissioners this 18th day of June 2013.


## RESOLUTION NO. 13-34

## RESOLUTION ADOPTING A MINOR REVISION TO THE APPROVED HCHA ANNUAL PLAN

WHEREAS, the Harris County Housing Authority ("HCHA") held a Resident Advisory Board meeting on November 19, 2012; and

WHEREAS, HCHA held a public hearing on the revised HCHA Annual Plan and the revised HCHA Administrative Plan on January 11, 2013; and

WHEREAS, the HCHA Board of Commissioners approved the revised HCHA Annual Plan and the revised HCHA Administrative Plan at the January 23, 2013 meeting of the HCHA Board of Commissioners; and

WHEREAS, the HCHA Administrative Plan approved at the January 23, 2013 meeting allows for the Project Based Vouchers; and

WHEREAS, the proposed revision is not a significant amendment or substantial deviation or modification as defined in the HCHA Annual Plan;

NOW, THEREFORE BE IT RESOLVED, that HCHA hereby adopts the following revision to the HCHA Annual Plan for the purpose of clarifying its statement on Project Based Vouchers.

The fifth bullet point of Section 7.0 shall read as follows: "Project Based Vouchers: HCHA does not currently administer Project Based Vouchers. However, HCHA's Administrative Plan allows for the allocation of Project Based Vouchers."

PASSED, by the Board of Commissioners this 17th day of July 2013.

Chairman:


Secretary:


## RESOLUTION AUTHORIZING THE EXECUTION OF AN ELECTRIC GRID DISTRIBUTION CREDIT AGREEMENT FOR CYPRESSWOOD ESTATES

WHEREAS, the electrical provider for Cypresswood Estates is Reliant Energy; and
WHEREAS, part of the construction of Cypresswood Estates included a solar array; and
WHEREAS, the solar array is generating electric power serving the five house meters; and

WHEREAS; an opportunity exists to benefit from excess electrical power that can be generated from the solar panels; and

WHEREAS, in order to capture the benefit of excess power generation, the HCHA Cypresswood Estates, LLC must enter into Contribution Credit Agreement with the electrical power supplier; and

WHEREAS, Reliant Energy has proposed an Electric Grid Contribution Agreement, under the terms of which Reliant will purchase excess power as follows:

First 500 KWH at the energy charge per KWH from the Electrical Facts Label on the property's current electrical plan.

Thereafter at a rate of $\$ 0.05$ per KWH, and
WHEREAS, the excess power generated and deliver to the grid as registered by the onsite TDSP's meter(s); and

WHEREAS, the value of the excess power generated at the above rates will be a bill credit.

NOW THERFORE, BE IT RESOLVED, that the Board of Commissioners of HCHA authorizes Tom McCasland, Manager of the HCHA Cypresswood Estates, LLC to negotiate and execute an Electrical Contribution Agreement with Reliant Energy Retail Services, LLC.

PASSED, by the Board of Commissioners this 17th day of July 2013.


## RESOLUTION NO. 13-36

## RESOLUTION AUTHORIZING THE SUBMISSION OF A LETTER TO COMMISSIONERS COURT REQUESTING AN INTERLOCAL AGREEMENT TO PROVIDE HEALTH BENEFITS AND OTHER SERVICES

WHEREAS, the Harris County Housing Authority ("HCHA") provides health benefits to all its employees; and

WHEREAS, HCHA is at a disadvantage in the health insurance marketplace because it has fewer than 50 full-time employees; and

WHEREAS, the Harris County Department of Human Resources and Risk Management has indicated a willingness to allow HCHA to join the Harris County health benefits plan, thus allowing HCHA to benefit from Harris County's purchasing power;

NOW, THEREFORE BE IT RESOLVED, that the Board of Commissioners of HCHA authorizes HCHA's CEO to submit a letter to Commissioners Court requesting an interlocal agreement to whereby HCHA may obtain health benefits for its employees through the Harris County health insurance plan, the cost of which benefits will be borne by HCHA.

BE IT FURTHER RESOLVED, that the Board of Commissioners of HCHA authorizes HCHA's CEO to continue HCHA's current health benefits plan as an interim measure until HCHA transitions to Harris County's health benefits plan, anticipated to be October 1, 2013.

PASSED, by the Board of Commissioners this 17th day of July 2013.


## RESOLUTION AUTHORIZING THE EXECUTION OF A COMMUNITY DEVELOPMENT BLOCK GRANT DISASTER RECOVERY PROGRAM RENTAL HOUSING PROJECTS ROUND 2 SUB-RECIPIENT GRANT AGREEMENT

WHEREAS, the Harris County Housing Authority ("HCHA") submitted an application for Community Development Block Disaster Recovery grant funds, and

WHEREAS, the grant funds are to be used to replace housing damaged by hurricanes Dolly and IKE; and

WHEREAS, the grant funds are administered by the General Land Office (GLO) as Community Development Block Grants approved by the Texas Land Commissioner; and

WHEREAS, the use of the grant funds are limited to facilitating recovery efforts in Presidentially-declared major disaster areas; and

WHEREAS, the HCHA identified units that were damaged by the storm and not replaced; and

WHEREAS, the HCHA proposes to use the grant funds to develop two hundred (200) units of replacement housing; and

WHEREAS, the GLO agrees to make a grant to HCHA in an amount not to exceed Thirteen Million Six Hundred Thirty Five Thousand Eight Hundred Sixty Seven Dollars ( $\$ 13,635,867.00$ ) for the development of the replacement housing; and

WHEREAS, the grant funds are payable as reimbursement of allowable expenses incurred in developing the replacement housing; and

WHEREAS the sub-recipient agreement outlines the terms, conditions and benchmarks under which the HCHA must maintain compliance; and

WHEREAS, the sub-recipient agreement is effective on the date executed by the GLO and shall terminate on December 31, 2015 or upon the completion of all benchmarks listed in the agreement;

NOW THEREFORE, BE IT RESOLVED, that the HCHA Board of Commissioners authorizes the CEO of HCHA to negotiate and execute the Community Development Block Grant Disaster Recovery Program Rental Housing Projects Round 2 Sub-Recipient Grant Agreement with the General Land Office.

PASSED, by the Board of Commissioners this 17th day of July 2013.

Secretary:


## RESOLUTION NO. 13-38

## RESOLUTION APPROVING A PAYROLL POLICY FOR HCHA'S CHIEF EXECUTIVE OFFICER

WHEREAS, the Harris County Housing Authority ("HCHA") Board of Commissioners has entered into an Employment Agreement with its Chief Executive Officer ("CEO"); and

WHEREAS, that Employment Agreement provides for the payment of a set compensation; and

WHEREAS, the CEO is the only HCHA employee with a compensation set by contract; and

WHEREAS, the HCHA payroll and finance staff seek specific, written guidance in processing the CEO's portion of HCHA's payroll; and

WHEREAS, the HCHA Board of Commissioners seeks to establish a policy that requires the CEO to record for every pay period at least eighty (80) hours of work, sick time, vacation time, holiday time or floating day;

NOW, THEREFORE BE IT RESOLVED, that HCHA's Board of Commissioners establishes the following policy to handle the unique circumstances that arise relating to the processing of the CEO's portion of HCHA's payroll:

1. The CEO is the only full-time employee who shall not receive compensation time or overtime for hours worked beyond a 40-hour week;
2. The CEO shall provide to HCHA staff a timesheet showing the hours worked for each pay period;
3. Provided the total hours worked including any holiday time for each pay period exceed eighty (80) hours, the CEO will not deduct vacation time or other time off for an individual day that totals less than eight (8) hours;
4. In all other respects, including accrued vacation time, HCHA staff shall follow the processes outlined in the Employee Manual for processing the CEO's portion of HCHA's payroll.

PASSED, by the Board of Commissioners this 17th day of July 2013.

Secretary:


## RESOLUTION AUTHORIZING THE NEGOTIATION AND EXECUTION OF A CONTRACT FOR WEBSITE DESIGN SERVICES

WHEREAS, the Harris County Housing Authority ("HCHA") issued a Request for Proposals (RFP) \# 13-06 on June 14, 2013, soliciting proposals from firms to provide Website Design Services; and

WHEREAS, the RFP was advertised in the local newspaper on June $14^{\text {th }}$ and June $21^{\text {st }}$ in 2013 and posted on the HCHA website; and

WHEREAS, responses to RFP \#13-06 were due June 25, 2013; and
WHEREAS, HCHA received two responses to RFP \#13-06 from Apache Advertising \& Design and Toadfly Technologies; and

WHEREAS, the staff of the HCHA reviewed evaluated and ranked the responses to the RFP's; and

WHEREAS, HCHA staff found the Apache Advertising \& Design qualifications and proposal complied with the requirements of the RFP; and

WHEREAS, Apache Advertising \& Design's proposal was ranked number one and the proposal, scope and fees (subject to negotiation) are most advantageous to the HCHA;

NOW THEREFORE BE IT RESOLVED, that Chief Executive Officer of the HCHA, is authorized and directed to negotiate and execute a contract for Website Design Services with Apache Advertising \& Design for services related to the HCHA's website, and to take such actions as the Chief Executive Officer deems necessary to effectuate the intent of this resolution, the execution of any document or taking of any action to be conclusive evidence of the necessity therefor.

PASSED, by the Board of Commissioners this 17th day of July 2013.

Chairman:


## RESOLUTION NO. 13-40

## RESOLUTION AUTHORIZING THE TRANSFER OF FUNDS TO COVER MONTHLY AFFORDABLE HOUSING EXPENSES

WHEREAS, Harris County Housing Authority (HCHA) maintains a separate checking account for affordable housing activities; and

WHEREAS, some monthly affordable housing expenses are incurred jointly with HCHA's other lines of business; and

WHEREAS, the attached expenses and descriptions were incurred for affordable housing activities within HCHA's main checking account for the following months and amounts:

June 2013: \$28,159.15
NOW, THEREFORE, BE IT RESOLVED by the Board of Commissioners of the Harris County Housing Authority that the Chief Executive Officer is hereby authorized to transfer $\$ 28,159.15$ to the main HCHA checking account to cover the above cited affordable housing expenditures.

This resolution shall be in full force and effect from and upon its adoption.
PASSED, by the Board of Commissioners this 18th day of June 2013.


Attachments: Detailed expenditures for June 2013 affordable housing expenses

## RESOLUTION NO. 13-41

## RESOLUTION AUTHORIZING THE APPROVAL AND SUBMISSION OF AN APPLICATION TO ACCESS THE RESERVATION SYSTEM FOR THE AMY YOUNG BARRIER REMOVAL PROGRAM

WHEREAS, the Texas Department of Housing and Community Affairs (TDHCA) Housing Trust Funds (HTF) published and release the 2014-2015 Amy Young Barrier Removal Program Notice of Funding Availability; and

WHEREAS, the TDHCA has $\$ 3,578,250(\$ 1,789,125$ for 2014 and $\$ 1,789,125$ for 2015) in HTF funding for the Barrier Removal Program through the TDHCA's first-come, firstserved reservation system; and

WHEREAS, the Houston Metro Area's (Region 6) allocation is $\$ 354,705$ (each year); and

WHEREAS, the program provides one time grants up to $\$ 20,000$ to persons with disabilities, qualified as low income, for home modifications necessary for accessibility and addressing housing related health and safety hazards; and

WHEREAS, the administrative fee shall not exceed $10 \%$ (\$2000) of the project costs, which shall be paid to the administrator(s) for the operation of the program and paid upon completion of each project; and

WHEREAS, staff of the Harris County Housing Authority has prepared and desires to submit an application to access the online application system;

NOW THEREFORE, BE IT RESOLVED, that the Board of Commissioners of the Harris County Housing Authority, approves the application to access the Reservation System for the 2014-2015 Amy Young Barrier Removal Program Funds and authorizes Tom McCasland, Chief Executive Officer of the Harris County Housing Authority, to execute a written Reservation System Access Agreement.

This resolution shall be in full force and effect from and upon its adoption.
PASSED, by the Board of Commissioners this 19th of August 2013.


## RESOLUTION NO. 13-42

# RESOLUTION AUTHORIZING THE CEO TO EXPEND FUNDS FOR A PRELIMINARY DESIGN AND FEASIBILITY STUDY FOR AN AFFORDABLE HOUSING TRANSIT ORIENTED DEVELOPMENT 

WHEREAS, the Harris County Housing Authority (HCHA) issued a Request for Qualifications (RFQ No. 13-01) for Architectural and Engineering Services (A\&E) for the HCHA's Affordable Housing Development Program (AHDP); and

WHEREAS, the proposals were reviewed and evaluated by staff, and Glassman Shoemake Maldonado Architects, Inc (GSMA) was determined to be the most responsive, responsible and qualified Architectural \& Engineering firm; and

WHEREAS, the HCHA requires the immediate and initial need of an A\&E firm to undertake the design of an Affordable Housing Transit Oriented Development (TOD) to be developed in partnership with METRO; and

WHEREAS, GSMA is under contract to provide Architectural and Engineering Services for various projects associated with the HCHA's Affordable Housing Development Program; and

WHEREAS, the HCHA is in need of a preliminary design and feasibility study for a proposed $120+/$ unit Affordable Housing Transit Oriented development; and

WHEREAS, GSMA has agreed to prepare a preliminary design and feasibility study for a fee in the amount of $\$ 5000.00$ (five thousand dollars); and

WHEREAS, staff has reviewed GSMA's fee proposal and determined it to be acceptable.
NOW, THEREFORE, BE IT RESOLVED by the Board of Commissioners of the Harris County Housing Authority that the Chief Executive Officer is hereby authorized to negotiate and execute a sub-contract with Glassman Shoemake Maldonado Architects for preliminary design and feasibility study schematic for an Affordable Housing Transit Oriented Development and to expend funds in the amount of not to exceed $\$ 5000.00$ (five thousand dollars).

This resolution shall be in full force and effect from and upon its adoption.
PASSED, by the Board of Commissioners this 19th day of August 2013.


## RESOLUTION NO. 13-43

## RESOLUTION AUTHORIZING THE CEO TO EXECUTE AN AT\&T BUSINESS NETWORK EXPRESS BUNDLE AGREEMENT

WHEREAS, the Harris County Housing Authority (HCHA) incurs an approximate annual cost of $\$ 38,144$ for local and long distance phone services and internet expenses through AT\&T; and

WHEREAS, HCHA has received a proposed agreement for fiber broadband services from AT\&T that would reduce local and long distance phone services and internet expenses to approximately $\$ 13,480$; and

WHEREAS, moving phone and internet services to fiber broadband would save HCHA an estimated $\$ 24,664$ annually; and

WHEREAS, AT\&T is the only Fiber Broadband provider that services HCHA's offices according to HCHA's information technology contractor; and

WHEREAS, the proposed agreement will be for 24 months and total approximately $\$ 26,960$;
NOW, THEREFORE, BE IT RESOLVED by the Board of Commissioners of the Harris County Housing Authority that the Chief Executive Officer is hereby authorized to execute an AT\&T Business Network Express Bundle Agreement for fiber broadband services.

This resolution shall be in full force and effect from and upon its adoption.
PASSED, by the Board of Commissioners this 19th day of August 2013.

Chairman:


## RESOLUTION CHANGING THE BEGINNING AND ENDING DATES OF HARRIS COUNTY HOUSING AUTHORITY'S FISCAL YEAR

WHEREAS, in consultation with its accountant, the Board of Commissioners of Harris County Housing Authority (HCHA) has carefully considered the relative benefits of changing HCHA's fiscal year;

NOW, THEREFORE, BE IT RESOLVED by the Board of Commissioners of the Harris County Housing Authority that HCHA's next fiscal year shall begin April 1, 2014 and end December 31, 2014;

BE IT FURTHER RESOLVED that each subsequent fiscal year, beginning with January 1, 2015, shall begin on January 1 and end on December 31.

This resolution shall be in full force and effect from and upon its adoption.
PASSED, by the Board of Commissioners this 18th day of September 2013.

Chairman:


## RESOLUTION NO. 13-45


#### Abstract

AUTHORIZING THE HARRIS COUNTY HOUSING AUTHORITY (THE "AUTHORITY") TO ACCEPT THE AWARD OF 2013 HOUSING TAX CREDIT COMMITMENT NOTICE (THE "LIHTC COMMITMENT") ON BEHALF OF RETREAT AT WESTLOCK LTD.; AUTHORIZING THE AUTHORITY TO TAKE SUCH OTHER STEPS AS THE AUTHORITY DEEMS NECESSARY TO EXECUTE, AND TO CARRY OUT SUCH OTHER ACTIONS NECESSARY OR CONVENIENT TO SUBMIT, ANY DOCUMENTATION PERTAINING TO THE LIHTC COMMITMENT; AND ANY OTHER ACTIONS NECESSARY TO CARRY OUT THESE RESOLUTIONS


WHEREAS, the Harris County Housing Authority Public Facility Corporation, a Texas public facility corporation (the "Corporation") formed under the Local Government Code of Texas and under the Texas Business Organizations Code, desires to become the sole member of the General Partner of HCHA Westlock, LLC, the general partner of Retreat at Westlock, Ltd. (the "Partnership");

WHEREAS, the Harris County Housing Authority (the "Authority") is the sponsor of the Harris County Housing Authority Public Facility Corporation and desires to authorize the creation of the Partnership;

WHEREAS, the Partnership has received an award of low income housing tax credits (the "Tax Credits") from the Texas Department of Housing and Community Affairs (the "TDHCA") in order to raise additional funding for the construction of the Retreat at Westlock project in Tomball, Texas (the "Project");

WHEREAS, the Partnership desires to accept the award of Tax Credits by executing the 2013 Housing Tax Credit Commitment Notice ("LIHTC Commitment");

NOW THEREFORE, the Harris County Housing Authority is authorized to do the following, in connection with the transactions contemplated by these Resolutions, and the undersigned Commissioners of the Authority hereby adopt the following Resolutions:

## LIHTC Application and Authorization to Seek Financing

RESOLVED, that Tom McCasland (the "Executing Officer"), acting alone, without the necessity of joinder by any other person, for and on behalf of the Partnership, to execute any and all documents relating to the LIHTC Application and any award of Housing Tax Credits for the Project, including the following:
i) Review, execute, approve and submit the LIHTC Application, the tax credit LIHTC Commitment, the carryover allocation agreement, the required documentation for the $10 \%$ Test, and the required documentation for the cost certification, and to take such other steps as the Partnership
deems necessary in order to facilitate the filing of the LIHTC Application with the TDHCA on or before any required submission date for the purpose of raising additional funding for the Project, to accept any award of tax credits, and to comply with any TDHCA requirements in order to receive the award of tax credits;
ii) Negotiate, approve, execute and deliver any and all documents necessary or desirable to market and sell the tax credits to a tax credit investor; and
iii) Review, execute, approve, and submit all other documents necessary to effectuate the foregoing Resolution, all on such terms and containing such provisions as the Executing Officer of the Corporation and of the Partnership executing the same shall deem appropriate, and the approval of the terms of each such instrument herein described by the Executing Officer shall be conclusively evidenced by his execution and delivery thereof, and

RESOLVED, that the Executing Officer is authorized to take such other actions for the Partnership or for the Corporation as the Executing Officer considers appropriate toward completion of the transactions contemplated by these Resolutions or performance of the obligations of the Partnership under the LIHTC Application and any other documents and agreements executed in connection with the transactions contemplated hereby; and it is further

## Certificate of Formation of the Company

RESOLVED, that the Certificate of Formation of HCHA Westlock, LLC (the "Company"), as approved by the Corporation, has bocn prcparcd for filing with the Secretary of State of the State of Texas and is to be filed with the Secretary of the State of Texas, and that the Certificate of Filing and a copy of the Certificate of Formation as returned by the Secretary of State upon filing be inserted into the minute book of the Company;

RESOLVED FURTHER, that the Company is being formed for its company purpose and to otherwise deal with the Project in accordance with any applicable regulations, and the provisions of its Company Agreement.

## Company Agreement

RESOLVED, that the form of Company Agreement, as approved by the Corporation, be, and it hereby is, approved and is adopted as the Company Agreement of the Company;

RESOLVED FURTHER, that the sole member of the Company is directed to certify a copy of this Company Agreement and insert it in the minute book of the Company, and maintain it in the principal office of the Company, open for inspection by any partner of the Partnership, or by any officer or member of the Company, at all reasonable times during office hours.

## Certificate of Formation of the Partnership

RESOLVED, that the Certificate of Formation of the Partnership, as approved by the Corporation, has been prepared for filing with the Secretary of State of the State of Texas and is to be filed with the Secretary of the State of Texas, and that the Certificate of Filing and a copy of the Certificate of Formation as returned by the Secretary of State upon filing shall be inserted into the minute book of the Partnership;

RESOLVED FURTHER, that the Partnership is being formed to construct, develop, renovate, repair, improve, maintain, operate, lease, dispose of and otherwise deal with the Project in accordance with any applicable regulations, and the provisions of its Agreement of Limited Partnership.

## Adoption of Partnership Agreement

RESOLVED, that the form of Agreement of Limited Partnership attached hereto, as approved by the Corporation, be, and it hereby is, approved to be adopted as the Agreement of Limited Partnership of the Partnership and that the Company, in its capacity as general partner of the Partnership, is hereby authorized to execute the Agreement of Limited Partnership;

RESOLVED FURTHER, that the Company, as general partner of the Partnership, is directed to certify a copy of the fully-executed Agreement of Limited Partnership and insert it in the minute book of the Partnership, and maintain it in the principal office of the Partnership, open for inspection by any partner of the Partnership, or by any officer or member of the Company, at all reasonable times during office hours.

## Ratification

RESOLVED, that the signing of these resolutions shall constitute full ratification of any actions previously taken in contemplation of these resolutions by the signatories.

RESOLVED, that to the extent any of the actions authorized by this Resolution have already been taken on behalf of the Authority, such actions are hereby ratified and confirmed as the valid actions of the Authority, effective as of the date such actions were taken.

This Resolution shall be in full force and effect from and upon its adoption.
PASSED, by the Board of Commissioners this 18th day of September 2013.


## RESOLUTION APPROVING AND AUTHORIZING THE REIMBURSEMENT OF TRAVEL EXPENSES FOR THE CEO

WHEREAS, Harris County Housing Authority adopted a revised budget on June 18, 2013 with $\$ 3,000$ budgeted for two conferences for the CEO; and

WHEREAS, the CEO attended and presented at the National Association of Housing and Redevelopment Officials Annual Conference in Denver, Colorado; and

WHEREAS, the CEO attended the National Alliance to End Homelessness Annual Conference in Washington DC and met with staff members of Houston's Congressional delegation; and

WHEREAS, the expenses submitted for reimbursement total $\$ 2,281.94$;
NOW, THEREFORE, BE IT RESOLVED by the Board of Commissioners of the Harris County Housing Authority that the Chairman of the Board of Commissioners is authorized to approve the reimbursement of the above stated expenses.

This resolution shall be in full force and effect from and upon its adoption.
PASSED, by the Board of Commissioners this 18th day of September 2013.

Chairman:


Secretary:


Attachments: Detailed expenditures for the above referenced travel.

## RESOLUTION NO. 13-47

## RESOLUTION AUTHORIZING THE TRANSFER OF FUNDS TO COVER MONTHLY AFFORDABLE HOUSING EXPENSES

WHEREAS, Harris County Housing Authority (HCHA) maintains a separate checking account for affordable housing activities; and

WHEREAS, some monthly affordable housing expenses are incurred jointly with HCHA's other lines of business; and

WHEREAS, the attached expenses and descriptions were incurred for affordable housing activities within HCHA's main checking account for the following months and amounts:

July 2013: $\quad \$ 30,912.42$
August 2013: \$399,095.82
NOW, THEREFORE, BE IT RESOLVED by the Board of Commissioners of the Harris County Housing Authority that the Chief Executive Officer is hereby authorized to transfer $\$ 430,008.24$ to the main HCHA checking account to cover the above cited affordable housing expenditures.

This resolution shall be in full force and effect from and upon its adoption.

PASSED, by the Board of Commissioners this 18th day of September 2013.

Chairman:


Secretary:


Attachments: Detailed expenditures for July and August 2013 affordable housing expenses

## RESOLUTION NO. 13-48

## RESOLUTION AUTHORIZING THE NEGOTIATION AND EXECUTION OF A CONTRACT FOR WEBSITE DESIGN SERVICES

WHEREAS, the Harris County Housing Authority ("HCHA") issued a Request for Proposals (RFP) \# 13-06 on June 14, 2013, soliciting proposals from firms to provide Website Design Services; and

WHEREAS, the RFP was advertised in the local newspaper on June $14^{\text {th }}$ and June $21^{\text {st }}$ in 2013 and posted on the HCHA website; and

WHEREAS, responses to RFP \#13-06 were due June 25, 2013; and
WHEREAS, HCHA received two responses to RFP \#13-06 from Apache Advertising \& Design and Toadfly Technologies; and

WHEREAS, the staff of the HCHA reviewed evaluated and ranked the responses to the RFP's; and

WHEREAS, HCHA staff found the Apache Advertising \& Design qualifications and proposal complied with the requirements of the RFP; and

WHEREAS, Apache Advertising \& Design's proposal was ranked number one and the proposal, scope and fees (subject to negotiation) are most advantageous to the HCHA;

NOW THEREFORE BE IT RESOLVED, that Chief Executive Officer of the HCHA, is authorized and directed to negotiate and execute a contract for Website Design Services with Apache Advertising \& Design for services related to the HCHA's website, and to take such actions as the Chief Executive Officer deems necessary to effectuate the intent of this resolution, the execution of any document or taking of any action to be conclusive evidence of the necessity therefor.

PASSED, by the Board of Commissioners this 18th day of September 2013.

Chairman:


## RESOLUTION AUTHORIZING AN INTERLOCAL AGREEMENT WITH HARRIS COUNTY TO PROVIDE MEDICAL, DENTAL, AND VISION INSURANCE BENEFITS TO ELIGIBLE HCHA EMPLOYEES

WHEREAS, the Harris County Housing Authority (HCHA) is in need of medical, dental, and vision insurance benefits for its employees; and

WHEREAS, the County is willing to arrange for employees of HCHA to participate in the County's medical, dental, and vision insurance benefits; and

WHEREAS, the parties hereto desire to enter into an interlocal agreement pursuant to the provisions of the Interlocal Agreement Act (Texas Government Code $\$ 790.001$, et seq.), as amended;

NOW, THEREFORE, BE IT RESOLVED, that the Board of Commissioners of the Harris County Housing Authority hereby authorizes the Chief Executive Officer to negotiate and execute an interlocal agreement with the County to provide eligible HCHA employees with medical, dental, and vision insurance benefits.

This resolution shall be in full force and effect upon its adoption.
PASSED, by the Board of Commissioners this 16th day of October 2013.

Chairman:


## RESOLUTION NO. 13-50

## RESOLUTION AUTHORIZING THE EXECUTION OF A CONTRACT FOR TECHNICAL SUPPORT SERVICES

WHEREAS, the Harris County Housing Authority (HCHA) is in need of technical support services; and

WHEREAS, HCHA terminated its full time position for technical support services for an approximate annual savings of $\$ 58,000$; and

WHEREAS, HCHA procured the services of Jonathon Mendoza using HCHA's small purchase procedures; and

WHEREAS, HCHA wishes to enter into a two year contract with Mr. Mendoza to provide technical support services for an approximate net annual savings of $\$ 34,500$;

NOW, THEREFORE, BE IT RESOLVED by the Board of Commissioners of the Harris County Housing Authority that the Chief Executive Officer is authorized and directed to execute a contract for technical support services with Jonathan Mendoza.

PASSED, by the Board of Commissioners this $16^{\text {th }}$ day of October 2013.


## RESOLUTION NO. 13-51

## RESOLUTION AUTHORIZING A CONTRACT FOR OFFICE CLEANING SERVICES

WHEREAS, the Harris County Housing Authority (HCHA) is currently engaged in a contract for office cleaning services with Corona Professional Services dated February 1, 2012 with an termination date of January 31, 2014; and

WHEREAS, this contract was originally valued at $\$ 54,452$; and
WHEREAS, this contract was amended on October 1, 2012 reducing the contract price by $\$ 11,337$ or twenty-one percent ( $21 \%$ ) for a current contract price of $\$ 43,115$; and

WHEREAS, HCHA's Procurement Policy requires that all contracts over $\$ 25,000$ have Board approval; and

WHEREAS, HCHA has no record of the Board previously approving this contract;
NOW, THEREFORE, BE IT RESOLVED that the Board of Commissioners of the Harris County Housing Authority authorizes continued payment of this contract in accordance with the contract terms through January 31, 2014.

PASSED, by the Board of Commissioners this $16^{\text {th }}$ day of October 2013.

Chairman:


Secretary:


## RESOLUTION NO. 13-52

## RESOLUTION AUTHORIZING CONTRACTS FOR COPIER LEASES

WHEREAS, the Harris County Housing Authority (HCHA) is currently engaged in two contracts to lease five copy machines from Global Services, LLC; and

WHEREAS, one contract is valued at $\$ 47,384$ with a termination date of July 2014 and the other is valued at $\$ 8,100$ with a termination date of November 2014; and

WHEREAS, HCHA's Procurement Policy requires that all contracts over $\$ 25,000$ have Board approval; and

WHEREAS, HCHA has no record of the Board previously approving these contracts; and

WHEREAS, HCHA staff has determined that it is not economically feasible to buyout the contracts;

NOW, THEREFORE, BE IT RESOLVED that the Board of Commissioners of the Harris County Housing Authority authorizes continued payment of these contracts in accordance with the contract terms.

PASSED, by the Board of Commissioners this $16^{\text {th }}$ day of October 2013.


## RESOLUTION AUTHORIZING A CONTRACT FOR THE LEASE OF DOCUWARE SOFTWARE

WHEREAS, the Harris County Housing Authority (HCHA) is currently engaged in a contract to lease the software product Docuware from Global Services, LLC; and

WHEREAS, this contract is valued at $\$ 28,512$ with a termination date of November 2014; and

WHEREAS, HCHA's Procurement Policy requires that all contracts over $\$ 25,000$ have Board approval; and

WHEREAS, HCHA has no record of the Board previously approving this contract;
NOW, THEREFORE, BE IT RESOLVED that the Board of Commissioners of the Harris County Housing Authority authorizes continued payment of this contract in accordance with the contract terms.

PASSED, by the Board of Commissioners this $16^{\text {th }}$ day of October 2013.

Chairman:


## RESOLUTION APPROVING AND AUTHORIZING THE REIMBURSEMENT OF TRAVEL EXPENSES

WHEREAS, the Board of Commissioners of the Harris County Housing Authority (HCHA) authorized the submission of an access application for the 2014-2015 Amy Young Barrier Removal (AYBR) Program Reservation System with the Texas Department of Housing and Community Affairs - Housing Trust Fund Program (TDHCA - HTF); and

WHEREAS, the TDHCA - HTF Program approved HCHA's application and submitted a Reservation Agreement for execution by HCHA for the AYBR Program; and

WHEREAS, Tom McCasland, Chief Executive Officer of the Harris County Housing Authority was authorized to execute the Reservation Agreement with the TDHCA - HTF Program; and

WHEREAS, the AYBR Program required participating staff to attend training in Austin, Texas; and

WHEREAS, the Affordable Housing staff, Horace Allison and Paula Burns, attended the AYBR Program Implementation Workshop on September 24, 2013 and the Inspecting a House and Construction Management Workshop on September 25, 2013 in Austin, Texas; and

WHEREAS, the expenses submitted for reimbursement total $\$ 568.00$.

NOW, THEREFORE, BE IT RESOLVED by the Board of Commissioners of the Harris County Housing Authority that the Chief Executive Officer is hereby authorized to approve the request for reimbursement of staff travel expenses for the AYBR Program Workshops.

This resolution shall be in full force and effect from and upon its adoption.
PASSED, by the Board of Commissioners this 16th day of October 2013.

Chairman:


Secretary:


Attachments: Detailed travel expenditures.

## RESOLUTION NO. 13-55

## RESOLUTION AUTHORIZING THE TRANSFER OF FUNDS TO COVER MONTHLY AFFORDABLE HOUSING EXPENSES

WHEREAS, Harris County Housing Authority (HCHA) maintains a separate checking account for affordable housing activities; and

WHEREAS, some monthly affordable housing expenses are incurred jointly with HCHA's other lines of business; and

WHEREAS, the attached expenses and descriptions were incurred for affordable housing activities within HCHA's main checking account for the following months and amounts:

September 2013: \$40,809.52
NOW, THEREFORE, BE IT RESOLVED by the Board of Commissioners of the Harris County Housing Authority that the Chief Executive Officer is hereby authorized to transfer $\$ 40,809.52$ to the main HCHA checking account to cover the above cited affordable housing expenditures.

This resolution shall be in full force and effect from and upon its adoption.
PASSED, by the Board of Commissioners this 16th day of October 2013.

Chairman:
$\qquad$ MC 8 l al

Secretary:

Attachments: Detailed expenditures for September 2013 affordable housing expenses

## RESOLUTION NO,13-56

# RESOLUTION AUTHORIZING THE AMENDMENT OF A CONTRACT FOR ARCHITECTURAL AND ENGINEERING SERVICES FOR THE DESIGN OF A PERMANENT SOCIAL SUPPORTIVE AFFORDABLE HOUSING DEVELOPMENT 

WHEREAS, the Hatris County Housing Authority issued a request for qualifications (RFQ No. 13-01) for architectural and engineering services (A\&E) for HCHA's Affordable Housing Development Program (AHDP); and

WHEREAS, the proposals were reviewed and evaluated by staff, and Glassman Shoemake Maldonado Architects, Inc. was determined to be the most responsive, responsible and qualified architecturad \& engineering firm; and

WHEREAS, the Board of Commissioners of the Harris County Housing Authority authorized the Chief Executive Officer to negotiate and execute a contract with Glassman Shoemake Maldonado Architects (GSMA) for schematic architectural design presentation drawing services for a permanent social supportive housing development in the amount of $\$ 4500.00$ (forty five hundred dollars); and

WHEREAS, GSMA completed the design work for a 61 unit development and staff made a presentation to the Midtown TIRZ staff; and

WHEREAS, the Midtown TRZ staff requested the design presentation be revised to reflect the proposed increase in the number of units to 85 , to include a project rendered perspective and detailed architectural floor plans, and to provide a thorough delineation of services/budget; and

WHEREAS, staff negotiated a fee proposal with GSMA to revise the architectural design documents; and

WHEREAS, GSMA has agreed to revise the architectural design documents for a fee in the amount of $\$ 5,000.00$ (five thousand dollars); and

WHEREAS, staff have reviewed GSMA's fee proposal and determined it to be acceptable;

NOW, THEREFORE, BE IT RESOLVED, that the Board of Commissioners of the Harris County Housing Authority hereby authorizes the Chief Executive Officer to negotiate and execute a contract amendment with Glassman Shoemake Maldonado Architects (GSMA) for architectural design services to revise the design documents for a 85 unit permanent social supportive housing development in the amount of $\$ 5000.00$ (five thousand dollars).

This resolution shall be in full force and effect upon its adoption.
PASSED, by the Board of Commissioners this 16 th day of October 2013.


## RESOLUTION NO. 13-57

## RESOLUTION AUTHORIZING THE NEGOTIATION OF A MEMORANDUM OF AGREEMENT WITH THE MIDTOWN REDEVELOPMENT AUTHORITY

WHEREAS, the Harris County Housing Authority (HCHA) desires to develop a permanent supportive housing development (PSH) to house homeless/disabled families; and

WHEREAS, HCHA has identified a one block parcel (1.43 acres) located at Pierce and Live Oak Streets southeast of downtown Houston; and

WHEREAS, the land parcel presents a favorable housing development location due to its proximity to downtown, supportive services, and public transportation; and

WHEREAS, the land parcel is currently vacant, available for redevelopment and owned by the Midtown Redevelopment Authority; and

WHEREAS, HCHA has conducted a preliminary feasibility analysis of the site and determined that it could develop up to 85 units of PSH on the site; and

WHEREAS, HCHA desires to enter into negotiations with the Midtown Redevelopment Authority to acquire the site and to develop an 85 unit PSH development;

NOW, THEREFORE, BE IT RESOLVED, that the Board of Commissioners of the Harris County Housing Authority hereby authorizes the Chief Executive Office to negotiate a Memorandum of Agreement with the Midtown Redevelopment Authority to acquire the Live Oak at Pierce parcel for the development of a permanent supportive housing development.

BE IT FURTHER RESOLVED, that the Board of Commissioners of the Harris County Housing Authority hereby authorizes the Chief Executive Office to execute said Agreement provided the total paid to acquire the site does not exceed $\$ 1,000$ and development of the site is contingent upon approval by the General Land Office.

This resolution shall be in full force and effect from and upon its adoption.
PASSED, by the Board of Commissioners this 16th day of October 2013.

Chairman:


## RESOLUTION NO. 13-58

## RESOLUTION AUTHORIZING THE NEGOTIATION AND EXECUTION OF A CONTRACT FOR FEE ACCOUNTING SERVICES

WHEREAS, the Harris County Housing Authority (HCHA) issued a Request for Proposals \# 13-07 (RFP) on September 4, 2013, soliciting proposals for accounting firms to provide fee accounting services; and

WHEREAS, the RFP was advertised in the local newspaper on September $4^{\text {th }}$ and $8^{\text {th }}$ and was posted on HCHA's website; and

WHEREAS, RFP \#13-07 was re-issued on September 12, 2013; and
WHEREAS, the revised RFP was advertised in the local newspaper on September $12^{\text {th }}$ and $19^{\text {th }}$ and was posted on HCHA's website; and

WHEREAS, HCHA received responses from Kubas Keller Associates and The Cornwell Associates, Accountants, Inc.; and

WHEREAS, the staff of HCHA reviewed, evaluated and ranked the responses to the RFP; and

WHEREAS, HCHA staff found that all applicants' proposals complied with the requirements of the RFP; and

WHEREAS, The Cornwell Associates, Accountants, Inc.'s proposal was ranked number one, and the terms of this proposal were judged to be the most advantageous to HCHA;

NOW THEREFORE BE IT RESOLVED, that the CEO of HCHA, is authorized and directed to negotiate and execute a contract for fee accounting services with The Cornwell Associates, Accountants, Inc. to provide fee accounting services not to exceed $\$ 100,000$ per fiscal year, and to take such actions as the CEO deems necessary to effectuate the intent of this resolution, the execution of any document or taking of any action to be conclusive evidence of the necessity therefor.

This resolution shall be in full force and effect from and upon its adoption.
PASSED, by the Board of Commissioners this 16th day of October 2013.

Chairman:


Secretary:


## RESOLUTION NO. 13-59 <br> RESOLUTION ADOPTING A FIXED ASSET POLICY

WHEREAS, the Harris County Housing Authority (HCHA) desires to adopt a fixed asset policy;

NOW, THEREFORE, BE IT RESOLVED, that the Board of Commissioners of the Harris County Housing Authority hereby adopts the attached Fixed Asset Policy with an effective date of April 1, 2013.

This resolution shall be in full force and effect from and upon its adoption.
PASSED, by the Board of Commissioners this 16th day of October 2013.

Chairman:


## RESOLUTION NO. 13-60

## RESOLUTION ADOPTING A COST ALLOCATION POLICY

WHEREAS, the Harris County Housing Authority (HCHA) desires to adopt a cost allocation policy that (1) describes the activity or criteria that HCHA will use for the allocation of direct and indirect costs between HUD assisted and non-HUD assisted programs and (2) identifies the activity reports or equivalent documentation that will be used to distribute cost to the programs; and

WHEREAS, HCHA's equivalent documentation that will be used to distribute cost to the programs will be HCHA's Check Request Form;

NOW, THEREFORE, BE IT RESOLVED, that the Board of Commissioners of the Harris County Housing Authority hereby adopts the attached Cost Allocation Policy with an effective date of April 1, 2013.

This resolution shall be in full force and effect from and upon its adoption.
PASSED, by the Board of Commissioners this 16th day of October 2013.


## RESOLUTION NO. 13-61

## RESOLUTION AUTHORZZING THE NEGOTIATION AND EXECUTYON OF A CONTRACT FOR REAL ESTATE BROKERAGE SERVICES FOR THE SALE OF REAL PROPERTY

WHEREAS, the Harris County Housing Authority (HCHA) issued a Qualification Based Solicitation \# 12-2 (QBS) on October 15, 2012, soliciting proposals for Real Estate Firms to provide Brokerage Services related to the sale of real property related to the HCHA's real estate holdings; and

WHEREAS, HCHA desires to retain a Real Estate Broker to assist the Authority with the sale of parcel(s) of land and/or other real estate holdings; and

WHEREAS, the QBS was advertised in the local newspaper on October 21 th and 28 th, 2012, and posted on HCHA's website; and

WHEREAS, responses to QBS \#12-2 were due October 29, 2012; and
WHEREAS, HCHA received three response to QBS \#12-2 from Transwestern, Lewis Property Company, and George E. Johnson Properties LLC; and

WHEREAS, the staff of HCHA reviewed, evaluated and ranked the responses to the QBS; and

WGEREAS, HCHA staff found that all applicants' proposals complied with the requirements of the RFP; and

WHEREAS, HCHA staff found that two applicants' qualifications merited that they be brought to the board for consideration given the proposals' response to the criteria stated in the QBS; and

WHEREAS, the Board of Commissioners of HCHA authorized an agreement with Transwestern on January 23, 2013; and

WHEREAS, on July 17, 2013, per the direction of the Board of Commissioners, HCHA gave notice to Tratswestern that it would not renew the Listing Agreement after the initial six month term that ended on July 23,2013 ; and

WHEREAS, Lewis Property Company was the other applicant presented to the Board of Commissioners on January 23, 2013;

NOW, THEREFORE, BE IT RESOLVED, that the Chief Executive Officer of HCHA, is authorized and directed to negotiate and execute a contract for real estate brokerage services with Lewis Property Company to provide services related to the sale of parcel(s) of land and/or
other real estate holdings. This contract must not exceed a term of two (2) years, must be subject to the terms listed in the attached letter dated October 2, 2013, must include the right to terminate, must require Lewis Property Company to present a proposed listing price to the Board prior to listing the property, and must require Lewis Property Company to provide regular Board updates with projected timelines. The Board further authorizes the Chief Executive Officer to take such actions as he deems necessary to effectuate the intent of this resolution, the execution of any document or taking of any action to be conclusive evidence of the necessity therefor.

PASSED, by the Board of Commissioners this 16th day of October 2013.


Attachment: Letter from Greg Lewis to Tom McCasland dated October 2, 2013.

## RESOLUTION NO. 13-62

## RESOLUTION ADOPTING A FINANCIAL REPORTING POLICY

WHEREAS, the Harris County Housing Authority (HCHA) has developed certain financial reporting procedures that have been adopted during the preceding eighteen months; and

WHEREAS, HCHA desires to adopt these financial reporting procedures as a formal policy of HCHA;

NOW, THEREFORE, BE IT RESOLVED, that the Board of Commissioners of the Harris County Housing Authority hereby adopts the attached Financial Reporting Policy with an effective date of April 1, 2013.

This resolution shall be in full force and effect from and upon its adoption.
PASSED, by the Board of Commissioners this 20th day of November 2013.

Chairman


## RESOLUTION NO. 13-63

## RESOLUTION ADOPTING A REVISED PROCUREMENT POLICY

WHEREAS, the Harris County Housing Authority (HCHA) Board of Commissioners approved the HCHA Procurement Policy on August 15, 2012; and

WHEREAS, the Board approved revisions to this policy on October 24, 2012; and
WHEREAS, HCHA staff has recommended further revisions to the Procurement Policy;
NOW, THEREFORE BE IT RESOLVED, that Harris County Housing Authority hereby adopts the revisions to HCHA Procurement Policy attached to this resolution.

PASSED, by the Board of Commissioners this 20th day of November 2013.

Chairman:


Secretary:


Attachment: HCHA Procurement Policy Revisions

## RESOLUTION NO. 13-64

## RESOLUTION ADOPTING A REVISED HCHA ETHICS POLICY

WHEREAS, the Harris County Housing Authority (HCHA) Board of Commissioners approved an Ethics Policy on August 15, 2012; and

WHEREAS, HCHA staff has recommended the addition of a requirement for annual training of board members;

NOW, THEREFORE BE IT RESOLVED, that the Harris County Housing Authority hereby adopts the revisions to the HCHA Ethics Policy attached to this resolution.

This resolution shall be in full force and effect from and upon its adoption.
PASSED, by the Board of Commissioners this 20th day of November 2013.


Attachment: HCHA Ethics Policy Revisions

## RESOLUTION NO. 13-65

## RESOLUTION ADOPTING A REVISED HCHA ADMINISTRATIVE PLAN

WHEREAS, the Harris County Housing Authority ("HCHA") held a Resident Advisory Board meeting on November 19, 2012; and

WHEREAS, HCHA held a public hearing on the revised HCHA Annual Plan and the revised HCHA Administrative Plan on January 11, 2013; and

WHEREAS, the HCHA Board of Commissioners approved the revised HCHA Annual Plan and the revised HCHA Administrative Plan at the January 23, 2013 meeting of the HCHA Board of Commissioners; and

WHEREAS, HCHA staff has recommended the following addition of a procedure for self-certification of corrections for non-life threatening deficiencies; and

WHEREAS, HCHA staff has recommended the following changes relating to payment standards in areas where the HUD published small area FMR is less than $90 \%$ of the area-wide FMR; and

WHEREAS, HCHA staff has recommended the following changes relating to projectbased vouchers;

NOW, THEREFORE BE IT RESOLVED, that HCHA hereby adopts the HCHA Administration Plan revisions attached to this resolution.

PASSED, by the Board of Commissioners this 20th day of November 2013.


Attachment: HCHA Administrative Plan Revisions

## RESOLUTION NO. 13-66

## RESOLUTION AUTHORIZING THE TRANSFER OF FUNDS TO COVER MONTHLY AFFORDABLE HOUSING EXPENSES

WHEREAS, Harris County Housing Authority (HCHA) maintains a separate checking account for affordable housing activities; and

WHEREAS, some monthly affordable housing expenses are incurred jointly with HCHA's other lines of business; and

WHEREAS, the attached expenses and descriptions were incurred for affordable housing activities within HCHA's main checking account for the following months and amounts:

October 2013: \$27,320.76
NOW, THEREFORE, BE IT RESOLVED by the Board of Commissioners of the Harris County Housing Authority that the Chief Executive Officer is hereby authorized to transfer $\$ 27,320.76$ to the main HCHA checking account to cover the above cited affordable housing expenditures.

This resolution shall be in full force and effect from and upon its adoption.
PASSED, by the Board of Commissioners this 20th day of November 2013.

Chairman:

Secretary:


Attachments: Detailed expenditures for October 2013 affordable housing expenses

## RESOLUTION NO. 13-67

## RESOLUTION ADOPTING A SECTION 3 POLICY

WHEREAS, in order to ensure that employment and other economic opportunities generated by certain HUD financial assistance shall, to the greatest extent feasible and consistent with federal, state and local laws and regulation, be directed toward low and very low income persons (especially those who are recipients of government assistance for housing) and to entities which provide economic opportunities to low and very low income persons, the Harris County Housing Authority (HCHA) desires to adopt a Section 3 Policy;

NOW, THEREFORE, BE IT RESOLVED, that the Board of Commissioners of the Harris County Housing Authority hereby adopts the attached Section 3 Policy with an effective date of April 1, 2013.

This resolution shall be in full force and effect from and upon its adoption.
PASSED, by the Board of Commissioners this 20th day of November 2013.

Chairman:


## RESOLUTION NO. 13-68

## RESOLUTION AUTHORIZING A MEMBERSHIP AGREEMENT WITH THE HOUSING AUTHORITY RISK RETENTION GROUP, INC.

WHEREAS, the Harris County Housing Authority (HCHA) obtains insurance from the HAI Group; and

WHEREAS, the HAI Group requires that its members complete a membership agreement; and

WHEREAS, the execution of this agreement must be approved by the Board of Commissioners;

NOW, THEREFORE BE IT RESOLVED, by the Board of Commissioners of the Harris County Housing Authority that the Chief Executive Officer is hereby authorized to execute a membership agreement with the Housing Authority Risk Retention Group, Inc.

This resolution shall be in full force and effect from and upon its adoption.
PASSED, by the Board of Commissioners this 20th day of November 2013.

Chairman:


Secretary:


## RESOLUTION NO. 13-69

## RESOLUTION APPROVING THE QUALIFICATION-BASED SELECTION OF CONTRACTORS FOR THE AMY YOUNG BARRIER REMOVAL PROGRAM AND AUTHORIZING THE CHIEF EXECUTIVE OFFICER TO EXECUTE CONTRACTS FOR THE REPAIR OF THE HOMES UNDER THE PROGRAM

WHEREAS, the Harris County Housing Authority (HCHA) entered into an agreement with the Texas Department of Housing and Community Affairs -- Housing Trust Fund to administer the Amy Young Barrier Removal Program; and

WHEREAS, HCHA entered five households into the contract system for the Amy Young Barrier Removal Program; and

WHEREAS, the proposed repairs include ADA modifications and the correction of health and safety deficiencies; and

WHEREAS, the maximum program expenditure to modify and repair each home cannot exceed $\$ 20,000$; and

WHEREAS, HCHA is in need of qualified, small contractors to undertake the repair of the homes; and

WHEREAS, HCHA issued a Request for Contractor Qualifications RFQ 13-09 on October 3 and 6, 2013; and

WHEREAS, RFQ $13-09$ was advertised in the local newspaper and on the HCHA website; and

WHEREAS, HCHA received six responses to RFQ 13-09 from
Extensive Custom Cabinet \& Trim
Deborah's Industries
The CEDA-TEX Services, Inc.
Quality Styles, Inc. dba R \& A Building Specialists
DSW Homes, LLC
Ortho Construction \& Renovation, Inc.; and
WHEREAS, staff reviewed the responses and determined that all submissions were responsive to the solicitation; and

WHEREAS, staff recommended that all firms be approved for bidding on the home repairs required under the Amy Young Barrier Removal Program; and

WHEREAS, constructions quotes will be solicited for each home from all six firms; and

WHEREAS, the firm submitting the lowest responsive bid on each home will be awarded a contract to undertake the work as long as the bid does not exceed the $\$ 20,000$ per home maximum;

NOW THEREFORE BE IT RESOLVED, that the Board of Commissioners of the Harris County Housing Authority approves the selection of the aforementioned contractors for the Amy Young Barrier Removal Program and authorizes the Chief Executive Officer, upon obtaining and evaluating quotes, to enter into individual contracts to repair each home with the lowest responsible bidder in an amount not to exceed the program cap of $\$ 20,000$ per home.

This resolution shall be in full force and effect from and upon its adoption.
PASSED, by the Board of Commissioners this 20th day of November 2013.

Chairman:


Secretary:


## RESOLUTION AUTHORIZING THE RATIFICATION OF AN AUTHORIZATION TO MAINTAIN TCDRS PLAN PROVISIONS FOR THE 2014 PLAN YEAR

WHEREAS, the Harris County Housing Authority (HCHA) participates in the Texas County \& District Retirement System (TCDRS) to provide retirement benefits for eligible employees; and

WHEREAS, HCHA must submit an annual certification verifying its contribution rate with respect to benefit payments made through TCDRS; and

WHEREAS, HCHA staff has judged it to be in HCHA's best interest to maintain the current TCDRS plan provisions for the 2014 plan year;

NOW, THEREFORE, BE IT RESOLVED, that the Board of Commissioners of the Harris County Housing Authority hereby authorizes the ratification of an authorization to maintain TCDRS plan provisions for the 2014 plan year.

This resolution shall be in full force and effect upon its adoption.
PASSED, by the Board of Commissioners this 20th day of November 2013.

Chairman:


## RESOLUTION NO. 13-71

## RESOLUTION ADOPTING BALANCE SHEET ADJUSTMENTS

WHEREAS, the current Harris County Housing Authority (HCHA) management inherited a balance sheet with comingled funds, lines of business with negative equity, and no indication regarding which lines of business were owed the funds; and

WHEREAS, the above issues with the balance sheet were reported to the Board of Commissioners, HUD, and other relevant federal and local entities as they were discovered during April and May 2012; and

WHEREAS, on July 3, 2013, HCHA submitted a request to HUD for an additional 550 Housing Choice Vouchers to cover the 550 households HCHA had absorbed from the DHAP IKE program; and

WHEREAS, on October 10, 2012, after hearing from HUD that Housing Choice Vouchers were no longer available for DHAP conversion households, HCHA amended its request as suggested by Assistant Secretary Henriquez requesting 550 non-HCV special purpose vouchers ( 250 VASH vouchers, 157 Non-Elderly Disabled vouchers; and 125 Family Unification vouchers); and

WHEREAS, HCHA received no additional vouchers from HUD based on either the original request or the amended request to cover the 550 households absorbed from the DHAP IKE program; and

WHEREAS, on August 23, 2013, HCHA agreed to HUD's proposed total closeout for DHAP IKE Harris County of $\$ 3,706,925$; and

WHEREAS, with a check dated August 30, 2013, HCHA paid \$773,771 as a down payment against the total amount due to HUD for the closeout of DHAP IKE Harris County, leaving a balance of $\$ 2,933,154$; and

WHEREAS, in a report dated June 19, 2013 entitled "The Management and Board of Commissioners of the Harris County Housing Authority Mismanaged the Authority," HUD's Office of Inspector General (OIG) recommended that HUD require HCHA to "repay $\$ 4.5$ million in ineligible costs, and support or repay more than $\$ 23$ million"; and

WHEREAS, Corrective Action 2B of the OIG Report stated, "HCHA must correct its accounting records to show the proper amounts available in each pooled fund and include the appropriate due to and due from balances. It must reclassify any improperly classified expenses in its accounting records and pay back the appropriate programs"; and

WHEREAS, Corrective Action 2D of the OIG Report stated, "Determine how much of the
\$2,827,829 in unreimbursed expenditures for Cypresswood Estates was made with federal funds and repay that amount to the appropriate federal program"; and

WHEREAS, in a report dated June 20, 2013, HUD's Quality Assurance Division (QAD) stated that HCHA's Net Restricted Asset (NRA) account was (\$4,810,353) as of December 31, 2012; and

WHEREAS, as of October 31, 2013, HCHA currently owes HUD, as funds escrowed for its NRA account, \$3,379,129; and

WHEREAS, HCHA's new Board of Commissioners and new administration desires fully and transparently to address the issues raised by both HUD's OIG Audit Report and the QAD Report referenced above;

NOW, THEREFORE, BE IT RESOLVED, that the Board of Commissioners of the Harris County Housing Authority hereby ratifies the following actions taken as of October 31, 2013:

1. Close the Disaster Voucher Program (010) Line of Business and transfer the Total Equity Balance of $\$ 1,699,416$ to the Affordable Housing (100) Line of Business.
2. Close the DHAP (300) Line of Business and transfer the Total Equity Balance of \$192,211 to the Housing Choice Voucher (001) Line of Business.
3. Close the DHAP-Texas (400) Line of Business and transfer the Total Equity Balance of $\$ 1,360$ to the Housing Choice Voucher (001) Line of Business.
4. Close the DHAP IKE-Texas (550) Line of Business and transfer the Total Equity Balance of $\$ 1,126,580$ to the Housing Choice Voucher (001) Line of Business.
5. Transfer $\$ 898,913.79$ from the DHAP IKE-Harris County (540) to the Housing Choice Voucher (001) Line of Business, leaving a remaining balance of $\$ 4,485,733.41$ in the DHAP IKE-Harris County (540) Line of Business.
6. Authorize a no-interest loan from the DHAP IKE-Harris County (540) to the Cypresswood Estates (012) Line of Business of $\$ 4,485,733.41$ to be reflected as a "due to-due from" transaction, under the condition that the loan will be automatically repaid to DHAP IKE-Harris County (540) upon the sale of the property known as Patriots by the Lake.

BE IT FURTHER RESOLVED, that the Board of Commissioners of the Harris County Housing Authority hereby authorizes the CEO to take the following actions:
7. Upon the sale of the property known as Patriots by the Lake, authorize the transfer of $\$ 4,485,733.41$ from the Affordable Housing (100) Line of Business to the Cypresswood Estates (012) Line of Business.
8. Upon the sale of the property known as Patriots by the Lake, authorize the payment to HUD of $\$ 2,933,154.00$ from the DHAP IKE-Harris County (540) Line of Business per the attached letter dated August 23, 2013 to Milan Ozdinec.
9. Upon the sale of the property known as Patriots by the Lake, close the DHAP IKE-

Harris County (540) Line of Business and transfer the Total Equity Balance to the Housing Choice Voucher (001) Line of Business.
10. Upon the sale of the property known as Patriots by the Lake, authorize an automatic transfer to the Housing Choice Voucher (001) Line of Business for the lower of
a. the amount necessary to fully fund the then current value of the HCV Net Restricted Asset fund; or
b. the net proceeds of the sale of the property minus $\$ 4,485,733.41$ from the DHAP IKE-Harris County (540) Line of Business.

This resolution shall be in full force and effect from and upon its adoption.
PASSED, by the Board of Commissioners this 18th day of December 2013.


## RESOLUTION NO. 13-72

## RESOLUTION AUTHORIZING THE TRANSFER OF FUNDS TO COVER MONTHLY AFFORDABLE HOUSING EXPENSES


#### Abstract

WHEREAS, Harris County Housing Authority (HCHA) maintains a separate checking account for affordable housing activities; and

WHEREAS, some monthly affordable housing expenses are incurred jointly with HCHA's other lines of business; and

WHEREAS, the attached expenses and descriptions were incurred for affordable housing


 activities within HCHA's main checking account for the following months and amounts:November 2013: \$22,255.58
NOW, THEREFORE, BE IT RESOLVED by the Board of Commissioners of the Harris County Housing Authority that the Chief Executive Officer is hereby authorized to transfer $\$ 22,255.58$ to the main HCHA checking account to cover the above cited affordable housing expenditures.

This resolution shall be in full force and effect from and upon its adoption.

PASSED, by the Board of Commissioners this 18th day of December 2013.

Chairman:


Attachments: Detailed expenditures for November 2013 affordable housing expenses

## RESOLUTION NO. 13-73

## RESOLUTION AUTHORIZING THE NEGOTIATION AND EXECUTION OF A CONTRACT FOR AUDIT AND TAX PREPARATION SERVICES

WHEREAS, the Harris County Housing Authority (HCHA) issued a Request for Proposals (RFP) \#13-11 on November 25, 2013, soliciting proposals for accounting firms to provide audit and tax preparation services for the fourteen (14) entities relating to HCHA's seven LIHTC developments; and

WHEREAS, the RFP was advertised in the local newspaper on November $24^{\text {th }}$ and December $2^{\text {nd }}$ and was posted on HCHA's website; and

WHEREAS, the due date for RFP \#13-11 was extended to Wednesday, December 11, 2013 at 4 pm as a result of an amendment being posted on Monday, December 9, 2013, to answer questions and to clarify the RFP requirements; and

WHEREAS, HCHA received responses from CohnRezick, LLP, CliftonLarsonAllen, LLP, and Novogradac \& Company, LLP; and

WHEREAS, HCHA staff found that all of the applicants' proposals complied with the requirements of the RFP; and

WHEREAS, the terms of the proposal submitted by CliftonLarsonAllen, LLP was judged to be the most advantageous to HCHA;

NOW THEREFORE BE IT RESOLVED, that the CEO of HCHA is authorized and directed to negotiate and execute a contract for audit and tax preparation services with CliftonLarsonAllen not to exceed $\$ 82,200$ for fiscal year 2013, $\$ 85,900$ for fiscal year 2014 and $\$ 89,600$ for fiscal year 2015 . This contract will exclude those entities where fieldwork by independent auditors has already begun for the current fiscal year.

This resolution shall be in full force and effect from and upon its adoption.
PASSED, by the Board of Commissioners this 18th day of December 2013.

Chairman:


## RESOLUTION AUTHORIZING AN EXTENSION OF HCHA'S INTERLOCAL AGREEMENT WITH THE HARRIS COUNTY ATTORNEY'S OFFICE FOR GENERAL COUNSEL SERVICES

WHEREAS, the Harris County Housing Authority (HCHA) has an interlocal agreement with the Harris County Attorney's Office to provide general counsel services; and

WHEREAS, the interlocal agreement has a termination date of December 31, 2013; and
WHEREAS, it is in the best interest of HCHA to continue receiving general legal services from the County Attorney's Office;

NOW THEREFORE BE IT RESOLVED that the Chief Executive Officer of HCHA is authorized and directed to negotiate and execute a contract extension for up to 1 year for general counsel services with the Harris County Attorney's Office.

This resolution shall be in full force and effect from and upon its adoption.
PASSED, by the Board of Commissioners this 18th day of December 2013.


## RESOLUTION NO. 13-75

## RESOLUTION AUTHORIZING THE CEO TO ENTER INTO VARIOUS PAYMENT AGREEMENTS WITH HUD NOT TO EXCEED A TOTAL OF \$7,743,506 TO BE REPAID TO HCHA'S HCV AND DHAP IKE LINES OF BUSINESS

WHEREAS, in a report dated June 19, 2013 entitled "The Management and Board of Commissioners of the Harris County Housing Authority Mismanaged the Authority," HUD's Office of Inspector General (OIG) recommended that HUD require HCHA to "repay \$4.5 million in ineligible costs, and support or repay more than $\$ 23$ million"; and

WHEREAS, in a report dated June 20, 2013, HUD's Quality Assurance Division (QAD) stated HCHA's Net Restricted Asset (NRA) account was (\$4,810,352) as of December 31, 2012; and

WHEREAS, on August 23, 2013, HCHA agreed to HUD's proposed total closeout for DHAP IKE Harris County of $\$ 3,706,925$; and

WHEREAS, HCHA staff members have determined that HCHA spent as much as $\$ 8,517,277$ of federal funds for ineligible expenses; and

WHEREAS, with a check dated August 30, 2013, HCHA paid $\$ 773,771$ as a down payment against the total amount due to HUD for the closeout of DHAP IKE Harris County, leaving a balance of $\$ 2,933,154$; and

WHEREAS, $\$ 8,517,277$ minus the down payment of $\$ 773,771$ totals a remaining balance of \$7,743,506;

NOW THEREFORE BE IT RESOLVED, that the CEO of HCHA is authorized and directed to execute payment agreements as necessary with HUD to close out corrective actions from the above reference OIG Audit, not to exceed a total of $\$ 7,743,506$, to return funds to HCHA's HCV and DHAP IKE lines of business, and to take such actions as the CEO deems necessary to effectuate the intent of this resolution, the execution of any document or taking of any action to be conclusive evidence of the necessity therefor.

This resolution shall be in full force and effect from and upon its adoption.
PASSED, by the Board of Commissioners this 18th day of December 2013.

Chairman:


Secretary:


## RESOLUTION NO. 13-76

## RESOLUTION AUTHORIZING THE PREPARATION AND SUBMISSION OF UP TO THREE 2014 LOW INCOME HOUSING TAX CREDIT PRE-APPLICATIONS TO THE TEXAS DEPARTMENT OF HOUSING AND COMMUNITY AFFAIRS

WHEREAS, the Harris County Housing Authority (HCHA) is desirous of developing Low Income Housing Tax Credit (LIHTC) developments utilizing the Texas Department of Housing And Community Affairs' (TDHCA) 9\% Tax Credit Program; and

WHEREAS, TDHCA has issued a Draft Allocation Plan for the 2014 LIHTC Round; and

WHEREAS, the pre-application acceptance period begins December 16, 2013 and the pre-application final delivery date is January 16, 2014; and

WHEREAS, HCHA has identified potential sites for the proposed developments; and
WHEREAS, HCHA will negotiate terms, costs and conditions favorable to HCHA to evidence site control and acquisition costs; and

WHEREAS, HCHA will negotiate fees for consulting services to assist staff in developing the pre-applications; and

WHEREAS, the proposed projects will be located in Harris County; and
WHEREAS, HCHA proposes to prepare and submit LIHTC applications in the upcoming 2014 Tax Credit Round and to develop the developments;

NOW THEREFORE BE IT RESOLVED, that the Board of Commissioners of the Harris County Housing Authority (the "Board") authorizes HCHA to prepare and submit 2014 LIHTC pre-applications for developments; and

BE IT FURTHER RESOLVED, that the Board authorizes the formation of subsidiaries or affiliates of HCHA to serve as General Partners in Limited Partnerships ( the "Limited Partner') to acquire, lease, finance, develop, construct, improve, own, maintain, manage, operate and finance/refinance the projects; and

BE IT FURTHER RESOLVED, that HCHA will assist the developer(s) in applying for grant funding or other funding to be used for project costs; and

BE IT FURTHER RESOLVED, if the pre-applications are competitive, that the Board authorizes the preparation and submission of LIHTC applications to the Texas Department of Housing and Community Affairs (TDHCA) by and through the Limited Partnerships, which will own and operate the projects; and

BE IT FURTHER RESOLVED, that the Limited Partnerships, which will be affiliates of HCHA, if awarded allocation of credits, are authorized to construct the projects on the properties, which will be owned by HCHA, and to lease the projects and to obtain all necessary construction and permanent loans in connection with the projects in order to construct, maintain and operate the projects; and

BE IT FURTHER RESOLVED, that HCHA enters into memoranda of understanding with affiliated entities to act as developers and that the Board authorizes the pursuit of the projects; and

BE IT FURTHER RESOLVED, that the Chief Executive Officer of HCHA, is authorized and directed to negotiate, execute and file on behalf of HCHA, all such agreements, applications, documents and instruments as may be necessary to effectuate the intent of these resolutions, including but not limited to documents required to form a subsidiary or affiliate of HCHA to serve as General Partners of the Limited Partnerships for the projects, the partnership agreement for the Limited Partnerships that will own and operate the projects, the construction loan to construct the projects, permanent financing for the projects, the applications to the TDHCA and all amendments thereto, all filings with various state agencies in connection with the projects, the employment of professionals in connection with the projects (including attorneys, developers, construction companies, accountants, architects, engineers, and consultants), and to take such actions as the Chief Executive Officer deems necessary to effectuate the intent of these resolutions, the execution of any document or taking of any action to be conclusive evidence of the necessity therefor; and

BE IT FURTHER RESOLVED, that any and all action taken by the Chief Executive Officer prior to the date of these resolutions in pursuit of the project or in effecting the purposes of the foregoing resolutions are hereby ratified, approved, confirmed and adopted in all respects.

This resolution shall be in full force and effect from and upon its adoption.
PASSED, by the Board of Commissioners this 18th day of December 2013.

Chairman:


Secretary:


## RESOLUTION NO. 13-77

## RESOLUTION AUTHORIZING HCHA TO PROVIDE HUD THE ANNUAL REAC SUBMISSION AS PREPARED BY HCHA'S INDEPENDENT AUDITORS

WHEREAS, the Department of Housing and Urban Development requires that HCHA submit annual financial statements and audit information through the REAC system; and

WHEREAS, financial statements relevant to HCHA's REAC submission have been prepared by independent auditors from the firm of CliftonLarsonAllen, LLP;

WHEREAS, auditors from the firm of CliftonLarsonAllen, LLP will present the final draft of the financial statements to the Board of Commissioners on January 15, 2014 for its review and approval;

NOW THEREFORE BE IT RESOLVED, that that the Board of Commissioners of the Harris County Housing Authority authorizes HCHA staff to provide to HUD the annual REAC submission as prepared by HCHA's independent auditors no later than December 31, 2013.

This resolution shall be in full force and effect from and upon its adoption.
PASSED, by the Board of Commissioners this 18th day of December 2013.

Chairman:


