## SOURCES AND USES OF FUNDS

City of Carson 2006 Project Area No. 4 2006 Project Area No. 4
Market Conditions as of October 6, 2017
Assumes A- Underlying Rating
***Preliminary; Subject to change***

| Dated Date | $12 / 15 / 2017$ |
| :--- | :--- |
| Delivery Date | $12 / 15 / 2017$ |

Sources:

| Bond Proceeds: |  |
| :--- | ---: |
| Par Amount | $20,330,000.00$ |
| Premium | $3,286,317.00$ |
|  | $23,616,317.00$ |

Uses:
Refunding Escrow Deposits:
Cash Deposit 22,940,786.15
Delivery Date Expenses:

| Cost of Issuance | $250,000.00$ |
| :--- | ---: |
| Underwriter's Discount | $121,980.00$ |
| Bond Insurance (75 bps) | $261,185.05$ |
| Surety Bond Policy (260 bps) | $38,374.02$ |
|  | $671,539.07$ |

Other Uses of Funds:
Additional Proceeds 3,991.78
23,616,317.00

## SUMMARY OF REFUNDING RESULTS

City of Carson 2006 Project Area No. 4 2006 Project Area No. 4
Market Conditions as of October 6, 2017
Assumes A- Underlying Rating
***Preliminary; Subject to change***

| Dated Date | $12 / 15 / 2017$ |
| :--- | ---: |
| Delivery Date | $12 / 15 / 2017$ |
| Arbitrage yield | $2.947461 \%$ |
| Escrow yield | $0.000000 \%$ |
| Value of Negative Arbitrage |  |
|  | $20,330,000.00$ |
| Bond Par Amount | $3.623553 \%$ |
| True Interest Cost | $3.878976 \%$ |
| Net Interest Cost | $4.962297 \%$ |
| Average Coupon | 14.368 |
| Average Life | $22,740,000.00$ |
|  | $4.382710 \%$ |
| Par amount of refunded bonds | 14.271 |
| Average coupon of refunded bonds | $26,552,694.08$ |
| Average life of refunded bonds | $1,664,620.63$ |
|  | $7.320231 \%$ |
| PV of prior debt to 12/15/2017 @ 2.947461\% | $8.188001 \%$ |
| Net PV Savings |  |

## SUMMARY OF BONDS REFUNDED

City of Carson 2006 Project Area No. 4 2006 Project Area No. 4
Market Conditions as of October 6, 2017
Assumes A- Underlying Rating
***Preliminary; Subject to change***

| Bond | Maturity Date | Interest Rate | $\begin{array}{r} \text { Par } \\ \text { Amount } \end{array}$ | Call <br> Date | Call <br> Price |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 2006 TAB No. 4, 2006_N04: |  |  |  |  |  |
| SERIAL | 10/01/2018 | 3.700\% | 575,000.00 | 12/15/2017 | 100.000 |
|  | 10/01/2019 | 3.750\% | 590,000.00 | 12/15/2017 | 100.000 |
|  | 10/01/2020 | 3.875\% | 615,000.00 | 12/15/2017 | 100.000 |
|  | 10/01/2021 | 4.000\% | 640,000.00 | 12/15/2017 | 100.000 |
|  | 10/01/2022 | 4.000\% | 665,000.00 | 12/15/2017 | 100.000 |
|  | 10/01/2023 | 4.000\% | 690,000.00 | 12/15/2017 | 100.000 |
|  | 10/01/2024 | 4.100\% | 720,000.00 | 12/15/2017 | 100.000 |
|  | 10/01/2025 | 4.200\% | 745,000.00 | 12/15/2017 | 100.000 |
|  | 10/01/2026 | 4.250\% | 780,000.00 | 12/15/2017 | 100.000 |
|  | 10/01/2027 | 4.250\% | 815,000.00 | 12/15/2017 | 100.000 |
| 31_T | 10/01/2028 | 4.375\% | 845,000.00 | 12/15/2017 | 100.000 |
|  | 10/01/2029 | 4.375\% | 885,000.00 | 12/15/2017 | 100.000 |
|  | 10/01/2030 | 4.375\% | 920,000.00 | 12/15/2017 | 100.000 |
|  | 10/01/2031 | 4.375\% | 965,000.00 | 12/15/2017 | 100.000 |
| 35_T | 10/01/2032 | 4.375\% | 1,005,000.00 | 12/15/2017 | 100.000 |
|  | 10/01/2033 | 4.375\% | 1,050,000.00 | 12/15/2017 | 100.000 |
|  | 10/01/2034 | 4.375\% | 1,095,000.00 | 12/15/2017 | 100.000 |
|  | 10/01/2035 | 4.375\% | 1,145,000.00 | 12/15/2017 | 100.000 |
| 38_T | 10/01/2036 | 4.375\% | 1,190,000.00 | 12/15/2017 | 100.000 |
|  | 10/01/2037 | 4.375\% | 1,245,000.00 | 12/15/2017 | 100.000 |
|  | 10/01/2038 | 4.375\% | 1,300,000.00 | 12/15/2017 | 100.000 |
| 41_T | 10/01/2039 | 4.500\% | 1,360,000.00 | 12/15/2017 | 100.000 |
|  | 10/01/2040 | 4.500\% | 1,415,000.00 | 12/15/2017 | 100.000 |
|  | 10/01/2041 | 4.500\% | 1,485,000.00 | 12/15/2017 | 100.000 |
| 22,740,000.00 |  |  |  |  |  |

## PRIOR BOND DEBT SERVICE

City of Carson 2006 Project Area No. 4 2006 Project Area No. 4
Market Conditions as of October 6, 2017
Assumes A- Underlying Rating
***Preliminary; Subject to change***

| Period <br> Ending | Principal | Coupon | Interest | Debt Service |
| :---: | ---: | ---: | ---: | ---: |
| $10 / 01 / 2018$ | 575,000 | $3.700 \%$ | $976,797.50$ | $1,551,797.50$ |
| $10 / 01 / 2019$ | 590,000 | $3.750 \%$ | $955,522.50$ | $1,545,522.50$ |
| $10 / 01 / 2020$ | 615,000 | $3.875 \%$ | $933,397.50$ | $1,548,397.50$ |
| $10 / 01 / 2021$ | 640,000 | $4.000 \%$ | $909,566.26$ | $1,549,566.26$ |
| $10 / 01 / 2022$ | 665,000 | $4.000 \%$ | $883,966.26$ | $1,548,966.26$ |
| $10 / 01 / 2023$ | 690,000 | $4.000 \%$ | $857,366.26$ | $1,547,366.26$ |
| $10 / 01 / 2024$ | 720,000 | $4.100 \%$ | $829,766.26$ | $1,549,766.26$ |
| $10 / 01 / 2025$ | 745,000 | $4.200 \%$ | $800,246.26$ | $1,545,246.26$ |
| $10 / 01 / 2026$ | 780,000 | $4.250 \%$ | $768,956.26$ | $1,548,956.26$ |
| $10 / 01 / 2027$ | 815,000 | $4.250 \%$ | $735,806.26$ | $1,550,806.26$ |
| $10 / 01 / 2028$ | 845,000 | $4.375 \%$ | $701,168.76$ | $1,546,168.76$ |
| $10 / 01 / 2029$ | 885,000 | $4.375 \%$ | $664,200.00$ | $1,549,200.00$ |
| $10 / 01 / 2030$ | 920,000 | $4.375 \%$ | $625,481.26$ | $1,545,481.26$ |
| $10 / 01 / 2031$ | 965,000 | $4.375 \%$ | $585,231.26$ | $1,550,231.26$ |
| $10 / 01 / 2032$ | $1,005,000$ | $4.375 \%$ | $543,012.50$ | $1,548,012.50$ |
| $10 / 01 / 2033$ | $1,050,000$ | $4.375 \%$ | $499,043.76$ | $1,549,043.76$ |
| $10 / 01 / 2034$ | $1,095,000$ | $4.375 \%$ | $453,106.26$ | $1,548,106.26$ |
| $10 / 01 / 2035$ | $1,145,000$ | $4.375 \%$ | $405,200.00$ | $1,550,200.00$ |
| $10 / 01 / 2036$ | $1,190,000$ | $4.375 \%$ | $355,106.26$ | $1,545,106.26$ |
| $10 / 01 / 2037$ | $1,245,000$ | $4.375 \%$ | $303,043.76$ | $1,548,043.76$ |
| $10 / 01 / 2038$ | $1,300,000$ | $4.375 \%$ | $248,575.00$ | $1,548,575.00$ |
| $10 / 01 / 2039$ | $1,360,000$ | $4.500 \%$ | $191,700.00$ | $1,551,700.00$ |
| $10 / 01 / 2040$ | $1,415,000$ | $4.500 \%$ | $130,500.00$ | $1,545,500.00$ |
| $10 / 01 / 2041$ | $1,485,000$ | $4.500 \%$ | $66,825.00$ | $1,551,825.00$ |
|  | $22,740,000$ |  | $14,423,585.14$ | $37,163,585.14$ |

## SAVINGS

City of Carson 2006 Project Area No. 4 2006 Project Area No. 4
Market Conditions as of October 6, 2017
Assumes A- Underlying Rating
***Preliminary; Subject to change***

| Date | Prior <br> Debt Service | Refunding <br> Debt Service | Savings | Present Value <br> to 12/15/2017 |
| :---: | ---: | ---: | ---: | ---: |
| $10 / 01 / 2018$ | $1,551,797.50$ | $1,475,923.89$ | $75,873.61$ | $77,075.15$ |
| $10 / 01 / 2019$ | $1,545,522.50$ | $1,449,900.00$ | $95,622.50$ | $90,770.72$ |
| $10 / 01 / 2020$ | $1,548,397.50$ | $1,449,900.00$ | $98,497.50$ | $90,754.19$ |
| $10 / 01 / 2021$ | $1,549,566.26$ | $1,449,450.00$ | $100,116.26$ | $89,530.62$ |
| $10 / 01 / 2022$ | $1,548,966.26$ | $1,448,250.00$ | $100,716.26$ | $87,442.24$ |
| $10 / 01 / 2023$ | $1,547,366.26$ | $1,451,250.00$ | $96,116.26$ | $81,009.55$ |
| $10 / 01 / 2024$ | $1,549,766.26$ | $1,452,500.00$ | $97,266.26$ | $79,623.20$ |
| $10 / 01 / 2025$ | $1,545,246.26$ | $1,447,250.00$ | $97,996.26$ | $77,912.63$ |
| $10 / 01 / 2026$ | $1,548,956.26$ | $1,450,750.00$ | $98,206.26$ | $75,829.53$ |
| $10 / 01 / 2027$ | $1,550,806.26$ | $1,452,500.00$ | $98,306.26$ | $73,718.57$ |
| $10 / 01 / 2028$ | $1,546,168.76$ | $1,447,500.00$ | $98,668.76$ | $71,859.12$ |
| $10 / 01 / 2029$ | $1,549,200.00$ | $1,451,000.00$ | $98,200.00$ | $69,452.62$ |
| $10 / 01 / 2030$ | $1,545,481.26$ | $1,447,500.00$ | $97,981.26$ | $67,298.37$ |
| $10 / 01 / 2031$ | $1,550,231.26$ | $1,452,250.00$ | $97,981.26$ | $65,357.78$ |
| $10 / 01 / 2032$ | $1,548,012.50$ | $1,449,750.00$ | $98,262.50$ | $63,656.92$ |
| $10 / 01 / 2033$ | $1,549,043.76$ | $1,450,250.00$ | $98,993.76$ | $62,158.46$ |
| $10 / 01 / 2034$ | $1,548,106.26$ | $1,448,500.00$ | $99,606.26$ | $60,866.80$ |
| $10 / 01 / 2035$ | $1,550,200.00$ | $1,449,500.00$ | $100,700.00$ | $59,766.28$ |
| $10 / 01 / 2036$ | $1,545,106.26$ | $1,448,000.00$ | $97,106.26$ | $55,975.29$ |
| $10 / 01 / 2037$ | $1,548,043.76$ | $1,449,000.00$ | $99,043.76$ | $55,454.90$ |
| $10 / 01 / 2038$ | $1,548,575.00$ | $1,452,250.00$ | $96,325.00$ | $52,385.42$ |
| $10 / 01 / 2039$ | $1,551,700.00$ | $1,452,500.00$ | $99,200.00$ | $52,405.51$ |
| $10 / 01 / 2040$ | $1,545,500.00$ | $1,444,750.00$ | $100,750.00$ | $51,695.80$ |
| $10 / 01 / 2041$ | $1,551,825.00$ | $1,454,250.00$ | $97,575.00$ | $48,629.18$ |
|  | $37,163,585.14$ | $34,824,673.89$ | $2,338,911.25$ | $1,660,628.85$ |
|  |  |  |  |  |

## Savings Summary

| PV of savings from cash flow | $1,660,628.85$ |
| :--- | ---: |
| Plus: Refunding funds on hand | $3,991.78$ |
| Net PV Savings | $1,664,620.63$ |

[^0]
## BOND SUMMARY STATISTICS

City of Carson 2006 Project Area No. 4
2006 Project Area No. 4
Market Conditions as of October 6, 2017
Assumes A- Underlying Rating
***Preliminary; Subject to change***

| Dated Date | $12 / 15 / 2017$ |
| :--- | ---: |
| Delivery Date | $12 / 15 / 2017$ |
| First Coupon | $04 / 01 / 2018$ |
| Last Maturity | $10 / 01 / 2041$ |
| Arbitrage Yield | $2.947461 \%$ |
| True Interest Cost (TIC) | $3.623553 \%$ |
| Net Interest Cost (NIC) | $3.878976 \%$ |
| All-In TIC | $3.729295 \%$ |
| Average Coupon | $4.962297 \%$ |
| Average Life (years) | 14.368 |
| Duration of Issue (years) | 10.461 |
| Par Amount | $20,330,000.00$ |
| Bond Proceeds | $23,616,317.00$ |
| Total Interest | $14,494,673.89$ |
| Net Interest | $11,330,336.89$ |
| Total Debt Service | $34,824,673.89$ |
| Maximum Annual Debt Service | $1,475,923.89$ |
| Average Annual Debt Service | $1,463,563.23$ |
| Underwriter's Fees (per \$1000) |  |
| Average Takedown |  |
| Other Fee | 6.000000 |
| Total Underwriter's Discount | 6.000000 |
| Bid Price | 115.564865 |


| Bond Component | Par <br> Value | Price | Average <br> Coupon | Average <br> Life |
| :--- | ---: | ---: | ---: | ---: |
| Uninsured Serial Bond | $15,185,000.00$ | 116.612 | $4.938 \%$ | 11.661 |
| Term Bond | $5,145,000.00$ | 114.846 | $5.000 \%$ | 22.355 |
|  | $20,330,000.00$ |  |  | 14.368 |


|  | TIC | $\begin{aligned} & \text { All-In } \\ & \text { TIC } \end{aligned}$ | Arbitrage Yield |
| :---: | :---: | :---: | :---: |
| Par Value | 20,330,000.00 | 20,330,000.00 | 20,330,000.00 |
| + Accrued Interest |  |  |  |
| + Premium (Discount) | 3,286,317.00 | 3,286,317.00 | 3,286,317.00 |
| - Underwriter's Discount | -121,980.00 | -121,980.00 |  |
| - Cost of Issuance Expense |  | -250,000.00 |  |
| - Other Amounts | -299,559.07 | -299,559.07 | -299,559.07 |
| Target Value | 23,194,777.93 | 22,944,777.93 | 23,316,757.93 |
| Target Date | 12/15/2017 | 12/15/2017 | 12/15/2017 |
| Yield | 3.623553\% | 3.729295\% | 2.947461\% |

## BOND PRICING

City of Carson 2006 Project Area No. 4 2006 Project Area No. 4
Market Conditions as of October 6, 2017
Assumes A- Underlying Rating
***Preliminary; Subject to change***

| Bond Component | Maturity <br> Date | Amount | Rate | Yield | Price | Yield to <br> Maturity | Call <br> Date |  |
| :--- | :---: | ---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Uninsured Serial Bond: |  |  |  |  |  |  |  |  |
| Price |  |  |  |  |  |  |  |  |


| Dated Date | $12 / 15 / 2017$ |  |
| :--- | ---: | ---: |
| Delivery Date | $12 / 15 / 2017$ |  |
| First Coupon | $04 / 01 / 2018$ |  |
|  |  |  |
| Par Amount | $20,330,000.00$ |  |
| Premium | $3,286,317.00$ |  |
| Production | $23,616,317.00$ | $116.164865 \%$ |
| Underwriter's Discount | $-121,980.00$ | $-0.600000 \%$ |
| Purchase Price | $23,494,337.00$ | $115.564865 \%$ |
| Accrued Interest |  |  |
| Net Proceeds | $23,494,337.00$ |  |

## BOND DEBT SERVICE

City of Carson 2006 Project Area No. 4 2006 Project Area No. 4
Market Conditions as of October 6, 2017
Assumes A- Underlying Rating
***Preliminary; Subject to change***

| Period <br> Ending | Principal | Coupon | Interest | Debt Service |
| :---: | ---: | ---: | ---: | ---: |
| $10 / 01 / 2018$ | 710,000 | $2.000 \%$ | $765,923.89$ | $1,475,923.89$ |
| $10 / 01 / 2019$ | 500,000 | $3.000 \%$ | $949,900.00$ | $1,449,900.00$ |
| $10 / 01 / 2020$ | 515,000 | $3.000 \%$ | $934,900.00$ | $1,449,900.00$ |
| $10 / 01 / 2021$ | 530,000 | $4.000 \%$ | $919,450.00$ | $1,449,450.00$ |
| $10 / 01 / 2022$ | 550,000 | $4.000 \%$ | $898,250.00$ | $1,448,250.00$ |
| $10 / 01 / 2023$ | 575,000 | $5.000 \%$ | $876,250.00$ | $1,451,250.00$ |
| $10 / 01 / 2024$ | 605,000 | $5.000 \%$ | $847,500.00$ | $1,452,500.00$ |
| $10 / 01 / 2025$ | 630,000 | $5.000 \%$ | $817,250.00$ | $1,447,250.00$ |
| $10 / 01 / 2026$ | 665,000 | $5.000 \%$ | $785,750.00$ | $1,450,750.00$ |
| $10 / 01 / 2027$ | 700,000 | $5.000 \%$ | $752,500.00$ | $1,452,500.00$ |
| $10 / 01 / 2028$ | 730,000 | $5.000 \%$ | $717,500.00$ | $1,447,500.00$ |
| $10 / 01 / 2029$ | 770,000 | $5.000 \%$ | 681,000000 | $1,451,000.00$ |
| $10 / 01 / 2030$ | 805,000 | $5.000 \%$ | $642,500.00$ | $1,447,500.00$ |
| $10 / 01 / 2031$ | 850,000 | $5.000 \%$ | $602,250.00$ | $1,452,250.00$ |
| $10 / 01 / 2032$ | 890,000 | $5.000 \%$ | $559,750.00$ | $1,449,750.00$ |
| $10 / 01 / 2033$ | 935,000 | $5.000 \%$ | $515,250.00$ | $1,450,250.00$ |
| $10 / 01 / 2034$ | 980,000 | $5.000 \%$ | $468,500.00$ | $1,448,500.00$ |
| $10 / 01 / 2035$ | $1,030,000$ | $5.000 \%$ | $419,500.00$ | $1,449,500.00$ |
| $10 / 01 / 2036$ | $1,080,000$ | $5.000 \%$ | $368,000.00$ | $1,448,000.00$ |
| $10 / 01 / 2037$ | $1,135,000$ | $5.000 \%$ | $314,000.00$ | $1,449,000.00$ |
| $10 / 01 / 2038$ | $1,195,000$ | $5.000 \%$ | $257,250.00$ | $1,452,250.00$ |
| $10 / 01 / 2039$ | $1,255,000$ | $5.000 \%$ | $197,500.00$ | $1,452,500.00$ |
| $10 / 01 / 2040$ | $1,310,000$ | $5.000 \%$ | $134,750.00$ | $1,444,750.00$ |
| $10 / 01 / 2041$ | $1,385,000$ | $5.000 \%$ | $69,250.00$ | $1,454,250.00$ |
|  | $20,330,000$ |  | $14,494,673.89$ | $34,824,673.89$ |

ESCROW COST
City of Carson 2006 Project Area No. 4 2006 Project Area No. 4
Market Conditions as of October 6, 2017
Assumes A- Underlying Rating
***Preliminary; Subject to change***

| Purchase <br> Date | Cost of <br> Securities | Cash <br> Deposit | Total <br> Escrow Cost |
| :---: | ---: | ---: | ---: |
| $12 / 15 / 2017$ |  | $22,940,786.15$ | $22,940,786.15$ |

## ESCROW REQUIREMENTS

City of Carson 2006 Project Area No. 4 2006 Project Area No. 4
Market Conditions as of October 6, 2017
Assumes A- Underlying Rating
***Preliminary; Subject to change***

| Period <br> Ending | Interest | Principal <br> Redeemed | Total |
| :---: | ---: | ---: | ---: |
| $12 / 15 / 2017$ | $200,786.15$ | $22,740,000.00$ | $22,940,786.15$ |
|  | $200,786.15$ | $22,740,000.00$ | $22,940,786.15$ |

## ESCROW STATISTICS

City of Carson 2006 Project Area No. 4 2006 Project Area No. 4
Market Conditions as of October 6, 2017
Assumes A- Underlying Rating
***Preliminary; Subject to change***

|  | Modified | Yield to | Yield to | Perfect | Value of |  |
| ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| Total | Duration | Receipt | Disbursement | Escrow | Negative | Cost of |
| Escrow Cost | (years) | Date | Date | Cost | Arbitrage | Dead Time |


| Global Proceeds Escrow: <br> 22,940,786.15 | $22,940,786.15$ |  |  |
| :---: | :---: | :---: | :---: |
| $22,940,786.15$ | $22,940,786.15$ | 0.00 | 0.00 |


| Delivery date | $12 / 15 / 2017$ |
| :--- | :--- |
| Arbitrage yield | $2.947461 \%$ |

## ESCROW SUFFICIENCY

City of Carson 2006 Project Area No. 4 2006 Project Area No. 4
Market Conditions as of October 6, 2017
Assumes A- Underlying Rating
***Preliminary; Subject to change***

| Date | Escrow <br> Requirement | Net Escrow <br> Receipts | Excess <br> Receipts | Excess <br> Balance |
| :---: | :---: | :---: | :---: | :---: |
| $12 / 15 / 2017$ | $22,940,786.15$ | $22,940,786.15$ |  |  |
| $22,940,786.15$ | $22,940,786.15$ | 0.00 |  |  |


[^0]:    Note: Does not include effects of DSRF earnings.

