

Linda Wetzel

From: ee-bounces@njcleanenergy.com on behalf of Winka, M <M.Winka@bpu.state.nj.us>
Sent: Friday, August 31, 2012 11:44 AM
To: ee@njcleanenergy.com; renewables@njcleanenergy.com; renewables@njcep.com
Cc: Boylan, Rachel; Marisa Slaten
Subject: Draft straw proposal for the 2014 through 2017 CRA for EE and RE-funding levels
Attachments: 2013 - 2016 proposed funding for NJCEP PA RFP final-revised-corrected - 8-27-12.pdf; ATT212854.txt

EE and RE Committee stakeholders

As noted by an astute commenter – the rows on Tables 19 through 22 did not sum up correctly. That was a test to see if you were reading the draft and one commenter passed. :)

Actually there was a glitch in the formula – thank you for the comment – Anne Marie Peracchio of NJN. We have corrected the formula between pages

Attached are the corrected tables.

Since the participants and energy saving/generation are connected to the funding level and more specifically to the allocation of funding levels to budget level programs, the jobs and energy savings/generations in Table 19 through 22 have been revised.

Please replace the current tables 19 through 22 with these tables

We can discuss this draft – your comments as well as the comments on the 2012/2013 true up budget and continuation of 2012 funding at the EE and RE Committee meeting on September 10, 2012 in Trenton

We can also provide details on the process to receive formal comments as well as establishing the public hearing schedule for the 2014 through 2017 funding level proceeding

Have a good weekend –

Michael Winka

Michael Winka
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NJBPU Staff Draft Straw Proposal for the NJCEP 2013 through 2016 Comprehensive Resource Analysis for Energy Efficiency and Renewable Energy

NJCEP 2013

| straw proposal | ESTIMATED Uncommitted Funds from Prior Year | ESTIMATED Committed Funds from Prior Year | Loan Repayment | Securitized Loan Funds | Securitized Loan Costs | Total Budget |
|----------------|---|---|----------------|------------------------|------------------------|--------------|
| a | b | c | d | e | f | g |

| | | | | | | |
|--|------------------|-----------------|-----------------|----------------|----------------|------------------|
| Residential Incentives | \$60,000 | \$15,000 | \$20,000 | \$0,000 | \$0,000 | \$95,000 |
| Low Income | \$30,000 | | | | | \$30,000 |
| Government, Commercial & Industrial Incentives | \$98,000 | \$50,000 | \$0,000 | \$0,000 | \$0,000 | \$148,000 |
| Other Energy Efficiency | \$0,500 | | | | | \$0,500 |
| Total Energy Efficiency | \$218,500 | \$65,000 | \$70,000 | \$0,000 | \$0,000 | \$353,500 |

| | | | | | | |
|---|-----------------|------------------|------------------|----------------|----------------|------------------|
| Renewable Energy Incentives | \$15,000 | \$15,000 | \$0,000 | \$0,000 | \$0,000 | \$30,000 |
| Economic Development Authority Incentives | \$5,000 | \$30,000 | \$0,000 | \$0,000 | \$0,000 | \$35,000 |
| Office of Clean Energy | \$8,000 | | | | | \$8,000 |
| Total NJCEP EERE | \$28,000 | \$110,000 | \$115,000 | \$0,000 | \$0,000 | \$353,000 |

| | | | | | | |
|-------------------------|------------------|------------------|------------------|----------------|----------------|------------------|
| State EERE Projects | \$10,000 | | | | | \$10,000 |
| State Energy Costs | \$42,500 | | | | | \$42,500 |
| EO14 - Budget Reduction | | | | | | |
| True Grant | | | | | | |
| TOTAL NJCEP | \$320,000 | \$110,000 | \$115,000 | \$0,000 | \$0,000 | \$545,000 |

| | | | | | | |
|-------------------------------------|-----------|-----------|-----------|---------|---------|-----------|
| Total Financing | \$85,000 | | | | | \$85,000 |
| Percent Financing | 20.31% | | | | | 11.83% |
| Total NJCEP EERE | \$28,500 | \$110,000 | \$115,000 | \$0,000 | \$0,000 | \$453,500 |
| Percent total NJCEP EERE | 24.32% | | | | | 13.25% |
| Residential Total | \$105,000 | | | | | \$140,000 |
| G/C/I Total | \$208,500 | | | | | \$388,500 |
| G/C/I Total without state costs | \$156,000 | | | | | \$348,000 |
| Residential percentage | 33.48% | | | | | 28.09% |
| G/C/I percentage | 66.51% | | | | | 71.90% |
| Residential % of total w/o state | 40.14% | | | | | 28.81% |
| G/C/I percentage of total w/o state | 59.85% | | | | | 71.19% |

Notes

The overall percentage is 40% residential and 60% G,C,I
 Renewable is assumed to be 40% residential and 60% G,C,I
 Assumed loans are 3, 5 and 7 year loans
 Assumed selling or securitizing loans takes 2 years
 Assumed 20% cost of selling loans
 Any loan revenues will either be returned to the ratepayer or be used to reduce the next years NJCEP funds
 Other EE is Sustainable Jersey
 EDA incentives are for a 1/3 of CEIWF and GGF
 EDA financing is for EERLF and 2/3 CEMG and GGF
 State EERE Projects and State energy Costs are part of G/C/I
 Projected savings are estimated based on the average annual and lifetime energy cost and savings data from the 2001 through 2010 NJCEP programs
 Projected Participants are based on the average annual participants in the 2001 through 2010 programs
 Assumed that new financing programs linked with existing incentive programs do not produce additional savings, generation of participants
 Assumed standalone financing programs without rebates produce savings but at a reduced rate
 Assumed standalone financing programs without rebates have participants but at a lower rate
 Assumed State EERE projects have energy savings or generations but at a lower rate

NJCEP 2013

| Savings/Generation and Participants | Annual | | Lifetime | |
|-------------------------------------|------------------|---------------------|------------------|---------------------|
| | Electric Savings | Natural Gas Savings | Electric Savings | Natural Gas Savings |
| MWh | dthrm | kw | MWh | dthrm |

| | | | | | | |
|--|----------------|----------------|----------------|------------------|-------------------|----------------|
| Residential Incentives | 187,598 | 434,793 | 37,083 | 1,383,836 | 7,500,000 | 97,561 |
| Low Income | 12,305 | 99,338 | 1,801 | 171,429 | 1,784,706 | 10,784 |
| Government, Commercial & Industrial Incentives | 438,776 | 361,345 | 89,958 | 6,615,385 | 6,142,857 | 10,658 |
| Other Energy Efficiency | | | | | | |
| Total Energy Efficiency | 618,678 | 895,465 | 128,841 | 8,150,450 | 15,407,563 | 119,003 |

| | | | | | | |
|---|---------------|---------------|---------------|----------------|----------------|------------|
| Renewable Energy Incentives | 39,883 | | 14,507 | 454,545 | | |
| Economic Development Authority Incentives | 25,510 | 21,008 | | 384,815 | 357,143 | 620 |
| Office of Clean Energy | | | | | | |
| Total NJCEP EERE | 65,393 | 21,008 | 14,507 | 839,360 | 711,688 | 680 |

| | | | | | | |
|-------------------------|----------------|----------------|----------------|------------------|-------------------|----------------|
| State EERE Projects | 820 | 6,623 | 107 | 11,429 | 117,647 | 719 |
| State Energy Costs | | | | | | |
| EO14 - Budget Reduction | | | | | | |
| True Grant | | | | | | |
| TOTAL NJCEP | 654,592 | 923,096 | 143,355 | 9,001,039 | 15,882,353 | 120,341 |

NJBRP Staff Draft Straw proposal for the NJCEP 2013 through 2016 Comprehensive Resource Analysis for Energy Efficiency and Renewable Energy

NJCEP 2014

| straw proposal | ESTIMATED Annual New Funding | ESTIMATED Uncommitted from prior year | ESTIMATED Committed Funds from prior years | ESTIMATED Loan Repayment | ESTIMATED Securitized Loan Funds | ESTIMATED Securitized Loan Costs | ESTIMATED Total Budget |
|----------------|------------------------------|---------------------------------------|--|--------------------------|----------------------------------|----------------------------------|------------------------|
| a | b | c | d | e | f | g | |

| Energy Efficiency | Annual New Funding | Uncommitted from prior year | Committed Funds from prior years | Loan Repayment | Securitized Loan Funds | Securitized Loan Costs | Total Budget |
|--|--------------------|-----------------------------|----------------------------------|----------------|------------------------|------------------------|------------------|
| Residential Incentives | \$44,000 | | \$15,000 | \$0,000 | 0 | 0 | \$59,000 |
| Financing | \$28,000 | | \$20,000 | | | | \$48,000 |
| Low Income | \$30,000 | | | | | | \$30,000 |
| Government, Commercial & Industrial Incentives | \$93,800 | | \$50,000 | \$0,000 | \$0,000 | \$0,000 | \$143,800 |
| Financing | \$36,000 | | | | | | \$36,000 |
| Other Energy Efficiency | | | | | | | |
| Total Energy Efficiency | \$201,500 | | \$85,000 | \$0,000 | \$0,000 | \$0,000 | \$336,500 |

| Renewable Energy | Annual New Funding | Uncommitted from prior year | Committed Funds from prior years | Loan Repayment | Securitized Loan Funds | Securitized Loan Costs | Total Budget |
|---|--------------------|-----------------------------|----------------------------------|----------------|------------------------|------------------------|------------------|
| Incentives | \$10,000 | | \$15,000 | \$0,000 | \$0,000 | \$0,000 | \$25,000 |
| Financing | \$10,000 | | | | | | \$10,000 |
| Economic Development Authority Incentives | \$6,000 | | \$30,000 | \$0,000 | \$0,000 | \$0,000 | \$36,000 |
| Financing | \$35,000 | | | | | | \$35,000 |
| Office of Clean Energy | \$6,000 | | | | | | \$6,000 |
| Total NJCEP EE/RE | \$67,000 | | \$110,000 | \$0,000 | \$0,000 | \$0,000 | \$277,000 |

| State EE/RE Projects | Annual New Funding | Uncommitted from prior year | Committed Funds from prior years | Loan Repayment | Securitized Loan Funds | Securitized Loan Costs | Total Budget |
|-------------------------|--------------------|-----------------------------|----------------------------------|----------------|------------------------|------------------------|------------------|
| State Energy Costs | \$10,000 | | | | | | \$10,000 |
| EOT4 - Budget Reduction | \$42,500 | | | | | | \$42,500 |
| True Grant | | | | | | | |
| Total NJCEP | \$52,500 | | \$110,000 | \$0,000 | \$0,000 | \$0,000 | \$262,500 |

| Total Financing | Total NJCEP EE/RE | Total NJCEP EE/RE | Total NJCEP EE/RE | Total NJCEP EE/RE | Total NJCEP EE/RE | Total NJCEP EE/RE | Total NJCEP EE/RE |
|-----------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| \$109,000 | \$201,500 | \$201,500 | \$201,500 | \$201,500 | \$201,500 | \$201,500 | \$201,500 |
| 34.05% | \$85,000 | \$85,000 | \$85,000 | \$85,000 | \$85,000 | \$85,000 | \$85,000 |
| 40.75% | \$110,000 | \$110,000 | \$110,000 | \$110,000 | \$110,000 | \$110,000 | \$110,000 |
| \$17,175 | \$17,175 | \$17,175 | \$17,175 | \$17,175 | \$17,175 | \$17,175 | \$17,175 |
| \$209,825 | \$209,825 | \$209,825 | \$209,825 | \$209,825 | \$209,825 | \$209,825 | \$209,825 |
| \$17,175 | \$17,175 | \$17,175 | \$17,175 | \$17,175 | \$17,175 | \$17,175 | \$17,175 |
| \$351,000 | \$351,000 | \$351,000 | \$351,000 | \$351,000 | \$351,000 | \$351,000 | \$351,000 |
| 28.44% | \$110,000 | \$110,000 | \$110,000 | \$110,000 | \$110,000 | \$110,000 | \$110,000 |
| 79.58% | \$201,500 | \$201,500 | \$201,500 | \$201,500 | \$201,500 | \$201,500 | \$201,500 |
| 29.23% | \$110,000 | \$110,000 | \$110,000 | \$110,000 | \$110,000 | \$110,000 | \$110,000 |
| 70.77% | \$201,500 | \$201,500 | \$201,500 | \$201,500 | \$201,500 | \$201,500 | \$201,500 |

Notes:
 The overall percentage is 40% residential and 60% G.C.I.
 Renewable is assumed to be 40% residential and 60% G.C.I.
 Assumed loans are 3, 5 and 7 year loans
 Assumed setting or securitizing loans takes 2 years
 Assumed 20% cost of setting loans
 Any loan revenues will either be returned to the ratepayer or be used to reduce the next years NJCEP funds
 Other EE is Sustainable Jersey
 EDA Incentives are for a 1/3 of CEWF and GGF
 EDA financing is for EERLF and 2/3 CEMG and GGF
 State EE/RE Projects and State Energy Costs are part of G/C/I
 Projected savings are estimated based on the average annual participants in the 2001 through 2010 NJCEP programs
 Assumed that new financing programs linked with existing incentive programs do not produce additional savings, generation or participants
 Assumed standalone financing programs without rebates produce savings but at a reduced rate
 Assumed standalone financing programs without rebates have participants but at a lower rate
 Assumed State EE/RE projects have energy savings or generations but at a lower rate

NJCEP 2014

| Savings/Generation and Participants | Annual | Lifetime | Participants |
|-------------------------------------|---------------------|------------------|------------------|
| Electric Savings | Natural Gas Savings | Demand Reduction | Electric Savings |
| MWh | therm | Kv | MWh |

| Energy Efficiency | Annual | Lifetime | Participants |
|--|----------------|----------------|-------------------|
| Residential Incentives | 122,905 | 316,841 | 27,194 |
| Financing | | | 1,000,000 |
| Low Income | 12,305 | 99,338 | 1,601 |
| Government, Commercial & Industrial Incentives | 321,429 | 284,706 | 65,900 |
| Financing | | | 4,946,154 |
| Other Energy Efficiency | | | 4,500,000 |
| Total Energy Efficiency | 466,639 | 882,884 | 94,694 |
| Renewable Energy | 26,455 | 9,671 | 303,030 |
| Economic Development Authority Incentives | 25,510 | 21,008 | 384,615 |
| Financing | | | 357,143 |
| Office of Clean Energy | | | 620 |
| Total NJCEP EE/RE | 508,604 | 703,893 | 164,366 |
| State EE/RE Projects | 820 | 6,823 | 107 |
| State Energy Costs | | | 11,429 |
| EOT4 - Budget Reduction | | | 117,947 |
| True Grant | | | 719 |
| Total NJCEP | 509,424 | 710,515 | 104,472 |
| | | | 6,716,657 |
| | | | 12,239,496 |
| | | | 91,475 |

| Renewable Energy | Annual | Lifetime | Participants |
|---|----------------|----------------|-------------------|
| Incentives | 26,455 | 9,671 | 303,030 |
| Financing | | | |
| Economic Development Authority Incentives | 25,510 | 21,008 | 384,615 |
| Financing | | | 357,143 |
| Office of Clean Energy | | | 620 |
| Total NJCEP EE/RE | 508,604 | 703,893 | 164,366 |
| State EE/RE Projects | 820 | 6,823 | 107 |
| State Energy Costs | | | 11,429 |
| EOT4 - Budget Reduction | | | 117,947 |
| True Grant | | | 719 |
| Total NJCEP | 509,424 | 710,515 | 104,472 |
| | | | 6,716,657 |
| | | | 12,239,496 |
| | | | 91,475 |

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NJBPU Staff Draft Straw Proposal for the NJCEP 2013 through 2016 Comprehensive Resource Analysis for Energy Efficiency and Renewable Energy

NJCEP 2016

| Straw Proposal | ESTIMATED Annual New Funding | | ESTIMATED Funds from prior years | | Loan Reinvestment | Securitized Loan Funds | Securitized Loan Costs | ESTIMATED Total Budget |
|----------------|------------------------------|---|----------------------------------|---|-------------------|------------------------|------------------------|------------------------|
| | a | b | c | d | | | | |

| Energy Efficiency | Residential Incentives Financing | Low Income | Government, Commercial & Industrial Incentives Financing | Other Energy Efficiency | Total Energy Efficiency |
|-------------------|----------------------------------|------------|--|-------------------------|-------------------------|
| | \$16,000 | \$30,000 | \$30,000 | \$0,500 | \$182,500 |
| | \$44,000 | | \$30,000 | | \$40,000 |
| | | | \$30,000 | | \$45,000 |
| | | | | | \$0,000 |
| | | | | | \$35,000 |
| | | | | | \$7,000 |
| | | | | | \$235,500 |

| Renewable Energy Incentives Financing | Economic Development Authority Incentives Financing | Office of Clean Energy | Total NJCEP EERE |
|---------------------------------------|---|------------------------|------------------|
| \$5,000 | \$5,000 | \$247,500 | \$257,500 |
| \$15,000 | \$15,000 | \$65,000 | \$70,000 |
| | \$20,000 | \$20,000 | \$40,000 |
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NJBPU Staff Draft Straw Proposal for the NJCEP 2013 through 2016 Comprehensive Resource Analysis for Energy Efficiency and Renewable Energy

| | | | | | | | | |
|------------|--------|------------------------------|---|--|----------------|------------------------|------------------------|--------------|
| NJCEP 2016 | Budget | ESTIMATED Annual New Funding | ESTIMATED Uncommitted Funds from prior year | ESTIMATED Committed Funds from prior years | Loan Repayment | Securitized Loan Funds | Securitized Loan Costs | Total Budget |
|------------|--------|------------------------------|---|--|----------------|------------------------|------------------------|--------------|

| | | | | | | | |
|-------------------|--|------------------|-----------------|-----------------|-----------------|-----------------|------------------|
| Energy Efficiency | Residential Incentives Financing | \$2,000 | \$10,000 | \$10,000 | \$26,000 | \$5,200 | \$40,800 |
| | Low Income | \$58,000 | | | | | \$2,000 |
| | Government, Commercial & Industrial Incentives Financing | \$30,000 | \$30,000 | \$30,000 | \$38,000 | \$7,400 | \$90,800 |
| | Other Energy Efficiency | \$6,000 | | | | | \$6,000 |
| | Renewable Energy Incentives Financing | \$2,000 | \$10,000 | \$10,000 | \$10,000 | \$2,000 | \$28,000 |
| | Economic Development Authority Incentives Financing | \$18,000 | | | | | \$18,000 |
| | Office of Clean Energy | \$15,000 | \$15,000 | \$30,000 | | | \$60,000 |
| | State EE/RE Projects | \$3,000 | | | | | \$3,000 |
| | State Energy Costs | \$36,000 | | | | | \$36,000 |
| | EO14 - Budget Residuation True Grant | \$8,000 | | | | | \$8,000 |
| | TOTAL NJCEP EE/RE | \$247,500 | \$85,000 | \$85,000 | \$30,000 | \$74,000 | \$471,500 |
| | TOTAL NJCEP | \$300,000 | | | | | \$523,900 |

| | | | | | | | |
|---------------------------|-----------|--|--|--|--|--|-----------|
| Total Financing | \$198,000 | | | | | | \$198,000 |
| Percent Financing | 66.00% | | | | | | 37.79% |
| Total NJCEP EE/RE | \$247,500 | | | | | | \$471,400 |
| Percent Total NJCEP EE/RE | 80.00% | | | | | | 42.00% |
| Residential Total | \$164,000 | | | | | | \$148,800 |
| G/C/I Total | \$185,500 | | | | | | \$584,100 |
| Residential percentage | 45.92% | | | | | | 29.01% |
| G/C/I percentage | 53.08% | | | | | | 70.98% |

Notes

The overall percentage is 40% residential and 60% G/C/I

Renewable is assumed to be 40% residential and 60% G,C,I

Assumed loans are 3, 5 and 7 year loans

Assumed selling or securitizing loans takes 2 years

Any loan revenues will either be returned to the ratepayer or be used to reduce the next years NJCEP funds

Other EE is Sustainable Jersey

EDA financing is for EE/RLF and Z/3 CEMG and GGF

State EE/RE Projects and State Energy Costs are part of G/C/I

Projected savings are estimated based on the average annual and lifetime energy cost and savings data from the 2001 through 2010 NJCEP programs

Participants are based on the average annual participants in the 2001 through 2010 programs

Assumed that new financing programs linked with existing incentive programs do not produce additional savings, generation or participants

Assumed standalone financing programs without rebates have participants but at a reduced rate

Assumed standalone financing programs without rebates have participants but at a lower rate

Assumed State EE/RE projects have energy savings or generations but at a lower rate

| | | | | | | |
|------------|--------|---------------------|------------------|------------------|---------------------|--------------|
| NJCEP 2016 | Annual | Natural Gas Savings | Demand Reduction | Electric Savings | Natural Gas Savings | Participants |
|------------|--------|---------------------|------------------|------------------|---------------------|--------------|

| | | | | | | | |
|-------------------|--|---------------|----------------|---------------|----------------|------------------|---------------|
| Energy Efficiency | Residential Incentives Financing | 5,587 | 14,493 | 1,296 | 45,455 | 250,000 | 3,252 |
| | Low Income | 12,305 | 99,338 | 1,801 | 171,429 | 1,784,706 | 10,784 |
| | Government, Commercial & Industrial Incentives Financing | 30,812 | 25,210 | 6,276 | 461,538 | 428,571 | 744 |
| | Other Energy Efficiency | | | | | | |
| | Renewable Energy Incentives Financing | 5,291 | 1,934 | 60,606 | | | |
| | Economic Development Authority Incentives Financing | 15,306 | 12,805 | 230,769 | 214,286 | | 372 |
| | Office of Clean Energy | | | | | | |
| | TOTAL NJCEP EE/RE | 69,101 | 151,645 | 11,047 | 969,737 | 2,837,563 | 15,151 |
| | TOTAL NJCEP | 69,921 | 152,268 | 11,154 | 981,225 | 2,775,210 | 15,870 |

| | | | | | | |
|---|---------------|----------------|---------------|----------------|------------------|---------------|
| Total Energy Efficiency | 48,504 | 139,041 | 8,113 | 678,422 | 2,443,277 | 14,279 |
| Renewable Energy Incentives Financing | 5,291 | 1,934 | 60,606 | | | |
| Economic Development Authority Incentives Financing | 15,306 | 12,805 | 230,769 | 214,286 | | 372 |
| Office of Clean Energy | | | | | | |
| State EE/RE Projects | 820 | 6,823 | 107 | 11,429 | 117,847 | 719 |
| State Energy Costs | | | | | | |
| EO14 - Budget Residuation True Grant | | | | | | |
| TOTAL NJCEP | 69,921 | 152,268 | 11,154 | 981,225 | 2,775,210 | 15,870 |

Savings/Generation and Participants

Annual

Lifetime

Electric Savings MWh

Natural Gas Savings dtherm

Demand Reduction kw

Electric Savings MWh

Natural Gas Savings dtherm

Participants