SB-2814

Future Energy Jobs Bill
Main Points

- Creates Long Term Planning Process
- $200M Allotted Annually
- Funded by Rate Payers
- Funds Held by Utility Companies
- 4,000,000 SREC to be Purchased
- 4,000,000 WREC to be Purchased
- Effective June 1, 2017
SB2814 – Percentage Breakdown

- Brownfield: 2%
- Discretionary - IPA: 8%
- Small Solar: 12%
- Community Solar: 12%
- IPA ABI Block: 13%
- Utility < 2MW: 13%
- Utility > 2MW: 40%

Sec 1-75(c)(1)(C) (p 79)
# Projected Solar Project Development

<table>
<thead>
<tr>
<th></th>
<th>2020</th>
<th>2025</th>
<th>2030</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brownfield</td>
<td>32</td>
<td>48</td>
<td>64</td>
</tr>
<tr>
<td>Discretionary - IPA</td>
<td>127</td>
<td>191</td>
<td>254</td>
</tr>
<tr>
<td>Small Solar</td>
<td>198</td>
<td>298</td>
<td>397</td>
</tr>
<tr>
<td>Community Solar</td>
<td>198</td>
<td>298</td>
<td>397</td>
</tr>
<tr>
<td>IPA ABI Block</td>
<td>198</td>
<td>298</td>
<td>397</td>
</tr>
<tr>
<td>Utility &lt; 2MW</td>
<td>198</td>
<td>298</td>
<td>397</td>
</tr>
<tr>
<td>Utility &gt; 2MW</td>
<td>635</td>
<td>953</td>
<td>1,270</td>
</tr>
<tr>
<td></td>
<td>55.00</td>
<td>1,588</td>
<td>2,382</td>
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</table>

Sec 16-111.5(b)(5) (p 397), Sec 1-75(c)(1)(A) (p 76), (1)(B) (p 77), (1)(C) (p 79), (1)(E) (p 82), (1)(G) (p 85)
PROJECTED SOLAR INSTALLATIONS IN MWp

Sec 16-111.5(b)(5) (p 397), Sec 1-75(c)(1)(A) (p 76), (1)(B) (p 77), (1)(C) (p 79), (1)(E) (p 82), (1)(G) (p 85)
SMALL SOLAR SYSTEMS < 10-kWP

- All SREC Contracts – 15 year contract
- Payment made un Full upon Commissioning of System
- Does not affect any Federal Incentives
- Eligibility for systems installed after June 1, 2017

Sec 1-75(c)((1)(A) (p 76), (1)(B) (p 77), (1)(C) (p 79),
DG SOLAR SYSTEMS (10kWp – 2MWP)

- DG Systems –
  - Installed on customers property for customers use
  - Installed behind the meter

- SREC contracts – 15 years
  - 20% paid upon commissioning
  - Balance paid over the subsequent 4 years

- Non-Residential can receive Rebate of $250/kWp if elect not to receive NetMetering

- Eligibility for systems installed after June 1, 2017

Sec. 16-107.6 (p276)
Community Solar (up to 2MWP)

- **Community Solar** –
  - System designed to serve multiple customers
  - No customer receives more than 40% of the energy produced by the system
  - Smallest customer – 200W
  - Customer must be located in the same utility service area
  - Subscription will be portable and transferable
  - Any rate payer can participate in this program including renters and other non-facility owners

Sec 1-75(c)(1)(N) (p 101)
COMMUNITY SOLAR (UP TO 2MWP) CONTD.

- SREC contracts – 15 years
  - 20% paid upon commissioning
  - Balance paid over the subsequent 4 years

- Special Rebate of $250.00 per kWp

- Incentives paid to developer

- Does not affect any Federal Incentives

- Eligibility for systems installed after June 1, 2017

Sec 1-75(c)(1)(N) (p 101)
UTILITY SCALE SOLAR < 2MWP

- SREC contracts – 15 years
  - 20% paid upon commissioning
  - Balance paid over the subsequent 4 years
- Special Rebate of $250.00 per kWp
- Incentives paid to developer
- Does not affect any Federal Incentives
- Eligibility for systems installed after June 1, 2017

Sec 1-75(c)(1)(A) (p 76), (1)(B) (p 77), (1)(C) (p 79),
UTILITY SCALE SOLAR > 2MWP

- SREC contracts – 15 years
  - 20% paid upon commissioning
  - Balance paid over the subsequent 4 years
- SREC secured based on Auction set by IPA
- Special Rebate of $250.00 per kWp
- Incentives paid to developer
- Does not affect any Federal Incentives
- Eligibility for systems installed after June 1, 2017

Sec 1-75(c)[(1)(A) (p 76), (1)(B) (p 77), (1)(C) (p 79),]
BROWNFIELD SOLAR < 2MWP

- SREC contracts – 15 years
  - 20% paid upon commissioning
  - Balance paid over the subsequent 4 years
- Special Rebate of $250.00 per kWp
- Incentives paid to developer
- Does not affect any Federal Incentives
- Eligibility for systems installed after June 1, 2017

Sec 1-75(c)((1)(A) (p 76), (1)(B) (p 77), (1)(C) (p 79),
ADJUSTABLE BLOCK INCENTIVES (ABI)

● Small DG <10kW
  - 15 Year REC
  - Paid upfront

● Large DG (10kW to 2,000 kW)
  - 15 Year REC
  - 20% paid upon completion, balance
  - over 4 years

● Community Solar (<2,000 kW)
  - 15 Year REC
  - 20% paid upon completion, balance
  - over 4 years

Sec 1-75(c)(1)(K), (L), and (M) (p 95)
SAMPLE ADJUSTABLE BLOCK PROGRAM

Con Edison Region Residential

- Block 7
  - Size: 38000.00 kW
  - $0.40/W
  - Opened: 11/21/2016
  - 1297.79 kW Submitted
  - 36702.21 kW Remaining

Con Edison Residential Block Structure

<table>
<thead>
<tr>
<th>BLOCK</th>
<th>MEGAWATTS</th>
<th>INCENTIVE/WATT</th>
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<tbody>
<tr>
<td>1</td>
<td>14</td>
<td>$1.00</td>
</tr>
<tr>
<td>2</td>
<td>6</td>
<td>$0.90</td>
</tr>
<tr>
<td>3</td>
<td>9</td>
<td>$0.80</td>
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<tr>
<td>4</td>
<td>12</td>
<td>$0.70</td>
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<tr>
<td>5</td>
<td>17*</td>
<td>$0.60</td>
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<td>6</td>
<td>18</td>
<td>$0.50</td>
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<td>7</td>
<td>38</td>
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<td>8</td>
<td>70</td>
<td>$0.30</td>
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<tr>
<td>9</td>
<td>120</td>
<td>$0.20</td>
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*Revised 12/30/2015*
Models
## SMALL SOLAR

<table>
<thead>
<tr>
<th>System Size (kW)</th>
<th>SREC Rate</th>
<th>$</th>
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<tr>
<td>10</td>
<td></td>
<td>250.00</td>
</tr>
<tr>
<td>1st Year</td>
<td></td>
<td>47,238.30</td>
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<tr>
<td>Totals</td>
<td>188.95</td>
<td>47,238.30</td>
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Paid in full at commissioning of project

Sec 1-75(c)(1)(K), (L), and (M) (p 95)
DG SOLAR SYSTEMS (10kWp – 2MWP)

<table>
<thead>
<tr>
<th>System Size (kW)</th>
<th>1st Year</th>
<th>2nd Year</th>
<th>3rd Year</th>
<th>4th Year</th>
<th>Total</th>
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<tr>
<td>100.00</td>
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<td>$1,889.53</td>
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<td>$188,953.20</td>
<td>$94,476.60</td>
<td>$94,476.60</td>
<td>$94,476.60</td>
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Rebate Amount $25,000.00

20% Paid on Commissioning, Remaining over next 4 years

Sec 1-75(c)(1)(K), (L), and (M) (p 95)
### COMMUNITY SOLAR (UP TO 2MWP)

<table>
<thead>
<tr>
<th>System Size (kW)</th>
<th>SREC Rate</th>
<th>Commercial Systems</th>
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<tbody>
<tr>
<td>1,500.00</td>
<td>$250.00</td>
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<tr>
<td></td>
<td>1st Year</td>
<td>$2,834,298.00</td>
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<td>2nd Year</td>
<td>$1,417,149.00</td>
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<td></td>
<td>3rd Year</td>
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<td></td>
<td>4th Year</td>
<td>$1,417,149.00</td>
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<td><strong>7,085,745.00</strong></td>
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**Rebate Amount $375,000.00**

20% Paid on Commissioning, Remaining over next 4 years

Sec 1-75(c)(1)(K), (L), and (M) (p 95)
## Utility Scale Solar < 2MWP

<table>
<thead>
<tr>
<th>System Size (kW)</th>
<th>SREC Rate</th>
<th>Commercial Systems</th>
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</thead>
<tbody>
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<td>2,000.00</td>
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<td>$3,779,064.00</td>
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<td>$1,889,532.00</td>
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<tr>
<td><strong>Total</strong></td>
<td>$37,790.64</td>
<td><strong>$9,447,660.00</strong></td>
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### Rebate Amount $500,000.00

20% Paid on Commissioning, Remaining over next 4 years

Sec 1-75(c)(1)(K), (L), and (M) (p 95)
Solar For All
Designed as a program to engage low income communities

Provides $10M to $20M annually

Assures funding for low-income solar installations

Includes Low-Income Job Training and Placement

IPA to develop program for the Solar for All program

Sec 1-75(c)(1)(O) (p 44), Sec 1-56 (p 15)
THANK YOU

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