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AGENDA
RMLD CITIZENS' ADVISORY BOARD (CAB)
WEDNESDAY, DECEMBER 14, 2011

7:00 P.M.

at

READING MUNICIPAL LIGHT DEPARTMENT
SPURR/AV ROOM
230 ASH STREET
READING, MA 01867

1. Call Meeting to Order – A. Carakatsane, Chairman
2. Minutes of Meeting(s) – October 24, 2011
3. Executive Session Minutes
Suggested Motion:
MOVE that the CAB go into Executive Session based on Chapter 164, Section 47D exemption from public records and open meeting requirements in certain instances, to discuss power supply, renewable energy projects, approve minutes, and return to regular session.
Note: Roll call vote required.
4. Return to Regular Session
5. Swift River LLC Renewable Energy Certificates (RECs) – V. Cameron, J. Parenteau
6. Sustainable Energy Policy Update – V. Cameron, J. Parenteau
7. Net Metering Rate (Attachment) – V. Cameron, J. Parenteau
8. Other Items for Discussion
2012 Legislative Rally
9. Schedule Next Meeting
10. Adjournment

This Agenda has been prepared in advance and does not necessarily include all matters, which may be taken up at this meeting.

Upcoming RMLD Board Meetings:

Wednesday, January 25, 2011 – Regular RMLD Board Meeting

#2

Minutes of Meeting

CITIZENS' ADVISORY BOARD (CAB)
JOINT MEETING WITH RMLD BOARD of COMMISSIONERS POWER & RATE COMMITTEE
MEETING MINUTES
Regular Session

TIME: 7:00 P.M.
DATE: Monday, October 24, 2011
PLACE: Reading Municipal Light Department (RMLD) 230 Ash Street, Reading, MA,
GM Conference Room
PRESENT: CAB: A. Carakatsane, Chairman (Lynnfield), G. Hooper (Wilmington), T. Capobianco
(Reading)
RMLD Power and Rate Committee: R. Hahn, G. Snyder, R. Soli
RMLD Staff: V. Cameron, P. O'Leary, J. Parenteau, W. Seldon
ABSENT: J. Norton (North Reading), T. Ollila (Wilmington)

1. Call Meeting to Order – A. Carakatsane, Chairman

Chairman Carakatsane called the CAB meeting to order at 7:04 P.M.

Chairman Hahn called the RMLD Board of Commissioners' Power & Rate Committee meeting to order at 7:05 P.M.

2. The Retiring/Expiring of Renewable Energy Certificates (RECs)

Mr. Carakatsane explained that at the last CAB Meeting on October 4, a question was raised about what was happening with the Renewable Energy Certificates (RECs). He added that there was knowledge that the RECs are being let to expire and in the meantime, the Board as a whole has not considered the issue. It was a concern of the CAB, so this meeting was requested to discuss both sides of the issue.

Mr. Seldon wished to modify some comments made at the last meeting. He clarified that the RECs for the Green Choice Program were allowed to expire, because that is how the program was set up. The new RECs that the Department is getting with the Swift River Project are not expired, and are being banked in the RMLD's account.

Mr. Hahn stated that the Board has discussed the issue, but there is no unanimous consensus as to whether the RECs should be retired. The Board asked Energy Services to come in with options, and the Board allowed the RECs to be bought and expired under the Green Choice Program.

Ms. Parenteau added that there has been discussion at this Committee level to develop a sustainability policy and address what to do with RECs in the policy. The Committee has also discussed whether or not to utilize the Swift River RECs to satisfy the Green Choice RECs. A definitive answer has not arisen, but there has been discussion.

Mr. Hahn noted that RECs could be sold on a retroactive basis so no value has been lost by sitting on them.

Ms. Parenteau said that the whole purpose of Green Choice is that the RMLD would go out, purchase RECs, and retire them. Since then the RMLD found a purchase power agreement with Swift River, which is a whole new set of RECs. With the new set of RECs a discussion on what should the policy be related to the RECs and how to move forward is now a pertinent discussion.

Mr. Carakatsane asked how the RECs expire.

Ms. Parenteau passed out an informational page (from mass.gov), which gives a summary and an overview of what is an RPS (Renewable Portfolio Standard), how the RECs work, how does a REC originate, and who keeps track of a REC. It also notes that generation providers who are classified as renewables have the

ability to sell those RECs. She added that within the current contract with Swift River, Swift River generates the RECs, which go onto a GIS system.

Mr. Hahn explained that the GIS system maintains all the generator attributes. When a REC is generated, it is tracked on the GIS system.

Mr. Hooper asked if the Swift River REC would expire.

Ms. Parenteau responded that once the REC is banked, it is the RMLD's, and that it only has a value if someone wants to buy it. The RMLD has complete control over the REC, and it stays in our bank.

Ms. Snyder asked if the Green Choice RECs are retired annually.

Ms. Parenteau responded that the RECs are retired quarterly, and noted that there is a window of time that generators have to put the information into the system in terms of transferring the RECs. For example, from July through December, Quarter 1 RECs can be recorded.

Discussion ensued.

Mr. Capobianco noted that the RMLD is buying energy along with the RECs.

Mr. Hahn responded that was correct, and it goes into the RMLD's energy supply portfolio.

Mr. Carakatsane recalled that the basic idea behind the Green Choice Program was to raise money to invest in renewables.

Mr. Hahn stated the RECs were bought because the RMLD wanted to say that it had some renewable green power.

Mr. Soli asked how residential solar customers could get RECs.

Mr. Hahn explained that a customer would have to be a certain size to go into the GIS system, so a single rooftop solar panel would not be eligible. He added that there are developers who will install residential solar panels, and they will take the RECs and bundle them to be big enough to go into the GIS system.

Ms. Parenteau commented that there are also aggregators that will go up to individual solar customers and will start a contract with them to aggregate their solar to buy RECs. She noted that Jared Carpenter is looking into the possibility of aggregating some of the individual solar customers and working with a third party vendor who has the ability to do it.

Discussion ensued.

Mr. Carakatsane asked if a RPS policy had been developed.

Ms. Parenteau responded that Energy Services had a meeting with the Power and Rate Committee and presented an outline of a sustainability policy.

Mr. Carakatsane asked if an energy portfolio standard and having RECs go hand in hand.

Ms. Parenteau stated that municipal utilities are exempt at the present time.

Mr. Hahn noted that the Board of Commissioners has directed the General Manager and the employees to go find renewable projects, i.e., Concord Steam, Swift River Hydro, solar. Mr. Hahn believes the Board does not want to opt into an RPS, but would rather set their own policy, which is more complicated than it appears.

He added that the initial step was the Green Choice Program: buy the REC and see if there is customer interest; however, there was only tepid interest. He said that the Board must decide what percentage of the portfolio should be renewable taking into consideration that it is a policy issue, a rate issue, and a generation/supply issue.

Mr. Carakatsane asked what is done with the RECs, besides sell them and get cash back to possibly subsidize buying renewables.

Ms. Parenteau responded that if the RECs were sold, the RMLD would not be buying anything that is "green". She added that what makes this "green" is having the certificate attached to the megawatt hours and keeping those together.

Mr. Carakatsane asked if you could use them to buy more "green".

Mr. Seldon explained that one of the options (as listed in a memo attached to the agenda packet) is if all or a portion of the RECs are sold you can use the money for other sustainable projects. He commented that as long as the Board sets the criteria, the Energy Services Division (ESD) could do it.

Ms. Parenteau added that it is really a policy decision.

Mr. Hahn stated that if the RMLD wants to be called "green" then a piece of paper is needed that says it is "green".

Ms. Snyder said that it appears the power generation is completely separated from the "greenness" of it, so you can sell the "greenness".

Mr. Capobianco stated that all we are really talking about is whether or not we call ourselves "green". If we want to say we are "green", the RECs get retired; if we want to take the money and invest it in other renewable projects, then we have to say we are not green.

Mr. Seldon said that if you wanted to take it one step further, we could say that we are going to call so much of the power green and retire a portion of the RECs, and sell the others for investment.

Discussion ensued.

Ms. Parenteau stated in her opinion that it is very important, no matter what option the Board may decide, that it is communicated clearly that if the RECs are sold, that we do not call it "green".

Mr. Soli commented that controlling the peak is important, and whatever the RMLD does, it should be encouraging solar. He added that if it means the RECs should be sold to use that money to build solar, and encourage solar, then that is what is important to him. Saying that you're green or not is not so important to him, but protecting the environment by cutting down CO₂ is more important.

Mr. Hahn offered a different viewpoint. He agreed that controlling the peak load is important, but CO₂ comes from generation throughout the year and is just as damaging in January as in August. He added that solar only has a 16% capacity factor, wind 25%, water 30%, and hydro 30-60%. Per kW of capacity, hydro will avoid most greenhouse gas. He believes they are all important and would not exclude hydro and wind, and solar is the most expensive.

Mr. Carakatsane asked where is the Board and/or Committee in this discussion, policy or thoughts?

Mr. Hahn stated that at the last Committee meeting they had a lot of questions that they were trying to get answered. He believes it comes down to whether the RMLD wants to be called "green" or not, and how

much more above market will we pay? He said they have not come to a quick resolution on this, because it is not a simple solution.

Mr. Hooper said that in his opinion although we are talking about "green", it makes more sense to sell the RECs and invest in more renewable energy.

Mr. Capobianco's opinion was to sell the RECs and use that money to bridge the gap for more renewable energy at a more reasonable cost, and increase the amount of renewable energy within the portfolio. He agrees with Mr. Soli regarding solar panels, however, you don't get as much bang for the buck.

Mr. Hahn stated that if RMLD is not worried about its current portfolio being "green", then don't buy renewables, buy conventional power supply, and take that money that is saved and invest directly in the RMLD's service territory. Mr. Hahn (own opinion) does not believe the RMLD should buy renewable power, sell the RECs, and call itself "green".

Discussion ensued.

Mr. Cameron stated that he doesn't believe a project is dead forever with respect to "green". He believes that at a certain point in time you can stop selling the RECs and retire them. He added that the Department does not have an RPS yet, and thinks the legislature may in the future have municipals come under an RPS. When that happens, municipals will be scrambling. After some research, he found that those municipals that do have renewables are selling them. If the RMLD comes under an RPS, he would hope that the RMLD would have been proactive enough to have enough potentially green power in their portfolio so that if RMLD stops selling RECs, the RMLD would meet that portfolio standard. He believes that it is a question of philosophy, and agrees that Mr. Hahn is correct that if we sell the RECs, we cannot call ourselves "green". He feels that the Department should do a middle of road concept in acquiring green power....sell the RECs and relieve some of the cost. Mr. Cameron added that the RMLD should keep in mind that the RPS is now for the Investor Owned Utilities (IOUs), as the Department adds more potentially green power to the portfolio so that it can be there if and when a RPS is imposed. He does not disagree with Mr. Hahn, but wants to be conscious of the fact that the RMLD should be where it may need to be in the future with respect to an RPS.

Mr. Carakatsane commented that he sees Mr. Hahn's point, however, at the moment he is not against selling a portion of the RECs to try to recoup some of the expenses. He feels there is an obligation to the ratepayers to keep costs down.

Mr. Carakatsane explained that tonight was a gathering of information to discuss the philosophies of both sides. He said that perhaps after the Committee comes up with a draft, both the CAB and the Power & Rate Committee could meet jointly again.

Discussion ensued.

Mr. Soli had a question about the banking of RECs asking if the RECs have a shelf life.

Ms. Parenteau would get the information to Mr. Soli.

Discussion ensued.

Mr. Carakatsane said it sounds as though an annual discussion should take place on what to do with the RECs.

Ms. Parenteau would like to get direction from the Board and the CAB in the form of a policy.

Mr. Hahn said that ESD couldn't move forward until the Board and the CAB decide whether the RMLD is going to be "green" or not.

Ms. Snyder stated that in the conversations she has had with people from the energy office in Rhode Island, they were very interested in solar because of the issue of summer peaks. Ms. Snyder likes Option 2 with some of the RECs being sold and those funds used for municipal buildings getting solar.

Mr. Hahn would like to see the costs in a numerical analysis. If the Department did sell the RECs, how much money would we raise and would it make a difference? He stated that without some kind of numerical analysis, it is just guessing.

Mr. Capobianco stated that one of the reasons for holding on to the RECs is because we may be subject to an RPS in the future, and he wanted to know if he were correct.

Mr. Cameron said that if the RECS could be sold, and then if we do have a RPS apply to us, the Department would stop selling the RECs and then they would count as "green".

Mr. Hahn explained that the Department would buy RECs from Swift River and whatever RECs the RMLD gets in 2012 or 2013, the Department would sell. Then come 2015, the RMLD stops selling them. He said that doesn't mean that those RECs are banked all along the way, and added that RECs can't be sold and banked.

Mr. Capobianco said then why not sell them until the Department is forced to retain them.

Ms. Snyder and Mr. Hahn responded that the Department bought them to be "green".

Mr. Capobianco said they could be sold to subsidize the purchase of more green energy.

Mr. Hahn's question is how much money will be received if they are sold, and how much will the Department be able to do that is "green".

Mr. Carakatsane referred to Table 2 in the memo regarding market value.

Discussion ensued.

Mr. Carakatsane said that he encourages discussion by both Boards and the Committee on this issue, and for the Committee to perhaps develop a draft policy for review. He would welcome a financial analysis.

Mr. Soli commented that the options listed in the memo are good, and added that there should be a 2B. outlining what to do with the money.

Mr. Parenteau stated that ESD would provide more numbers or any other information the Boards would like.

Mr. Hahn noted that if the RMLD decides to sell RECs, he does not see how he could approve buying another Swift River. He feels RMLD would be taking money out of ratepayers' pockets and not be any "greener" than before.

Mr. Carakatsane asked if the Committee had anything on the table such as a meeting in the future on this issue.

Mr. Hahn stated that it will be brought up at their next meeting, and feels the issue should be decided quickly.

Ms. Snyder asked if the joint meeting of the Power and Rate and the Policy Committees was because of this issue.

Mr. Cameron responded that there were still some questions on the policy, so it was not ready to go to the Policy Committee. He feels this issue goes hand in hand with the policy. He said that the policy would have to go back to the Power and Rate Committee again for review, and keep the CAB apprised.

Mr. Hahn asked the CAB what option they liked.

Mr. Carakatsane responded that he likes Option 2, which would include a policy, perhaps a 2B, although he is concerned about not enough opportunity.

Mr. Hahn also wanted to know where those prices are going in the future. He added that the outlook of supply and demand is heavily in favor of supply, and if Cape Wind comes in the state will be awash with RECs. The RECs won't be worth much.

Mr. Carakatsane said he prefers a year-to-year approach, because what may make sense now may not make sense 18 months or two years from now.

Mr. Soli suggested having specific review dates and/or periods in the policy.

3. Adjournment

A motion was made at 8:15 P.M. by Mr. Hooper and seconded by Mr. Capobianco to adjourn the CAB meeting.

Motion carried unanimously 3:0:0.

A motion was made at 8:16 P.M. by Ms. Snyder and seconded by Mr. Soli to adjourn the RMLD Board of Commissioners Power & Rate Committee meeting.

Motion carried unanimously 3:0:0.

Respectfully submitted,

Arthur Carakatsane, Chairman

Minutes approved on: _____

/pmo

#7

Net Metering Rate

Residential, Commercial/Industrial, Terms and Conditions

Residential

Residential Customer Owned Renewable Generation Under 20 kW

Available in:

Reading, Lynnfield Center, North Reading, and Wilmington

Applicable to:

Individual residential customers for all domestic uses. This rate and the Terms and Conditions contained therein govern certain renewable generation facilities located on a residential customer's premise, where the facility is owned or leased by the residential customer, located in the customer premise and used solely for the purpose of the customer's own consumption.

Rates and Billings:

During a billing period the customer will be billed the then applicable rate for all electricity used by the customer according to the RMLD billing meter.

If, during a billing period, the customer's facility feeds back excess electricity onto the RMLD system the rate credited to the customer for excess electricity fed into RMLD's distribution system shall be equal to the then applicable RMLD's Monthly Fuel Charge, which may be adjusted by the Standard Fuel Charge Clause, for the billing period in which the credit was generated.

The RMLD may impose additional Terms and Conditions, as it deems necessary, in its sole discretion, for the protection of its distribution system, service territory, or its customers.

General Terms:

Service hereunder is subject to the General Terms and Conditions which are incorporated herein and are a part of this rate.

Rate Filed:

Effective: On Billing on or After

Filed by: Vincent F. Cameron Jr, General Manager

**Attachment 1
Application for Residential Customer-Owned Generation Under 20 kW**

Contact Information

Legal Name and address of Interconnecting Customer applicant

RMLD Customer (print): _____

Name and Title of Individual Filing Application: _____

Address of Interconnection Facility: _____

City: _____ State _____ Zip Code: _____

Telephone (Office): _____ (Cell): _____

Facsimile Number: _____ E-Mail Address: _____

Alternative Contact Information (e.g., system installation contractor or coordinating company)

Name: _____

Mailing Address: _____

City: _____ State: _____ Zip Code: _____

Telephone (Office): _____ (Cell): _____

Facsimile Number: _____ E-Mail Address: _____

Facility Information

RMLD Account Number (required – on bill) _____

Meter Number(s) (required – on bill) _____

Inverter Manufacturer: _____ Model Name & #: _____ Quantity Used: _____

Nameplate Rating: _____ (kW) _____ (kVA) _____ (AC Volts) Single _____ or Three _____ Phase

System Design Capacity: _____ (kW) _____ (kVA)

Electrical Contractor: Name, address, phone # and contact name

Prime Mover. Photovoltaic ☐ Fuel Cell ☐ Qualifying Facility: _____

Energy Source: Solar ☐ Wind ☐ Hydro ☐ Natural Gas ☐ Other: _____

UL1741 Listed? Yes _____ No _____

One line diagram attached? Yes _____ No _____

Estimated Installation Date: _____ Estimated In-Service Date: _____

Rate Filed:

Effective:

Filed by:

**Town of Reading, Massachusetts
Municipal Light Department**

MDPU #

Customer Signature

I hereby certify that, to the best of my knowledge, all of the information provided in this application is true and I have reviewed and agree to the RMLD's Tariff MDPU #____ and Terms and Conditions for Commercial Customer Owned Generation Under 20 kW.

Interconnecting Customer Signature _____ Date _____

Title: _____

Please attach manufacturer's document showing UL1741 listing to this document and mail to the following address.

Reading Municipal Light Department

PO Box 150

Reading, Massachusetts 01867-0250

Approval to Install Facility (For RMLD use only)

Installation of the Facility is approved contingent upon the Terms and Conditions of this Agreement, and agreement to any system modifications, if required

(Are system modifications required? Yes No To be Determined)

RMLD Signature: _____ Title: _____ Date: _____

RMLD UA Number: _____ RMLD waives inspection/witness test? Yes ___ No _____

**Rate Filed:
Effective:
Filed by:**

**Attachment 2
Certificate of Completion for Residential Customer-Owned Generation Under 20 kW
Certificate of Completion**

Installation Information

Interconnecting Customer (Print): _____
Title: _____
Mailing Address: _____
Location of Facility (if different from above): _____
City: _____ State: _____ Zip Code: _____
Telephone (Daytime): _____ (Evening): _____
Facsimile Number: _____ E-Mail Address: _____
Account # (required - on bill) _____ Meter # (required – on bill) _____

Electrician or Electrical Installation Contractor:

Business Name: _____ Contact Name (Print) _____
Mailing Address: _____
City: _____ State: _____ Zip Code: _____
Telephone (Daytime): _____ (Evening): _____
Facsimile Number: _____ E-Mail Address: _____
License number: _____
RMLD Date of Installation Approval: _____ Signature _____
RMLD Utility Authorization Number _____

Inspection:

The system has been installed and inspected in compliance with the local Building/Electrical Code of _____
(City/County)

Signed (local Electrical Wiring Inspector), _____

Name (printed): _____

Date: _____

**Rate Filed:
Effective:
Filed by:**

**Town of Reading, Massachusetts
Municipal Light Department**

MDPU #

**Attachment 2
Certificate of Completion for Residential Customer Owned Generation
Certificate of Completion**

As a condition of interconnection you are required to send by USPS mail or Fax a copy of this form along with a copy of the signed electrical permit to:

Reading Municipal Light Department
P.O. BOX 150
READING MA 01867

Received by RMLD _____
Date & Initial

**Rate Filed:
Effective:
Filed by:**

Commercial/Industrial

Commercial/Industrial Customer-Owned Generation

Available in:

Reading, Lynnfield Center, North Reading, and Wilmington

Applicable to:

Individual commercial/industrial customers for all commercial uses. This rate and the Terms and Conditions contained therein govern certain renewable generation facilities located on a commercial/industrial customer's premise, where the facility is owned or leased by the commercial/industrial customer, located in the customer premise and used solely for the purpose of the customer's own consumption.

Rates and Billing:

During a billing period the customer will be billed the then applicable rate for all electricity used by the customer according to the RMLD's billing meter.

If, during a billing period, the customer's facility feeds back excess electricity onto the RMLD system the rate credited to the customer for excess energy fed into RMLD's distribution system shall be equal to the then applicable RMLD's Monthly Fuel Charge, which may be adjusted by the Standard Fuel Charge Clause, for the billing period in which the credit was generated.

The RMLD may impose additional Terms and Conditions, as it deems necessary, in its sole discretion, for the protection of its distribution system, service territory, or its customers.

General Terms:

Service hereunder is subject to the General Terms and Conditions which are incorporated herein and are a part of this rate.

Rate Filed:

Effective: On Billing on or After

Filed by: Vincent F. Cameron Jr, General Manager

**Attachment 1
Application for Commercial Customer-Owned Generation**

Contact Information

Legal Name and address of Interconnecting Customer applicant

RMLD Customer (print): _____

Name and Title of Individual Filing Application: _____

Address of Interconnection Facility: _____

City: _____ State _____ Zip Code: _____

Telephone (Office): _____ (Cell): _____

Facsimile Number: _____ E-Mail Address: _____

Alternative Contact Information (e.g., system installation contractor or coordinating company)

Name: _____

Mailing Address: _____

City: _____ State: _____ Zip Code: _____

Telephone (Office): _____ (Cell): _____

Facsimile Number: _____ E-Mail Address: _____

Facility Information

RMLD Account Number (required – on bill) _____

Meter Number(s) (required – on bill) _____

Inverter Manufacturer: _____ Model Name & #: _____ Quantity Used: _____

Nameplate Rating: _____ (kW) _____ (kVA) _____ (AC Volts) Single _____ or Three _____ Phase

System Design Capacity: _____ (kW) _____ (kVA)

Electrical Contractor: Name, address, phone # and contact name

Prime Mover. Photovoltaic ☐ Fuel Cell ☐ IC Engine ☐ Other: _____

Energy Source: Solar ☐ Wind ☐ Hydro ☐ Natural Gas ☐ Other: _____

UL1741 Listed? Yes _____ No _____

One line diagram attached? Yes _____ No _____

Estimated Installation Date: _____ Estimated In-Service Date: _____

Rate Filed:
Effective:
Filed by:

**Town of Reading, Massachusetts
Municipal Light Department**

MDPU # 226

Customer Signature

I hereby certify that, to the best of my knowledge, all of the information provided in this application is true and I have reviewed and agree to the RMLD's Tariff MDPU # ____ and Terms and Conditions for Commercial Customer-Owned Generation

Interconnecting Customer Signature _____ Date _____

Title: _____

Please attach manufacturer's document showing UL1741 listing to this document and mail to;

Reading Municipal Light Department

Attn: Engineering Department

230 Ash Street

Reading, MA 01867

Approval to Install Facility (For RMLD use only)

Installation of the Facility is approved contingent upon the terms and conditions of this Agreement, and agreement to any system modifications, if required

(Are system modifications required? Yes No To be Determined).

RMLD Signature: _____ Title: _____ Date: _____

RMLD UA Number: _____ RMLD waives inspection/witness test? Yes __ No ____

Rate Filed:

Effective:

Filed by:

**Attachment 2
Certificate of Completion for Commercial Customer-Owned Generation
Certificate of Completion**

Installation Information

Interconnecting Customer (Print): _____
Title: _____
Mailing Address: _____
Location of Facility (if different from above): _____
City: _____ State: _____ Zip Code: _____
Telephone (Daytime): _____ (Evening): _____
Facsimile Number: _____ E-Mail Address: _____
Account # (required - on bill) _____ Meter # (required – on bill) _____

Electrician or Electrical Installation Contractor:

Business Name: _____ Contact Name (Print) _____
Mailing Address: _____
City: _____ State: _____ Zip Code: _____
Telephone (Daytime): _____ (Evening): _____
Facsimile Number: _____ E-Mail Address: _____
License number: _____
RMLD Date of Installation Approval: _____ Signature _____
RMLD Utility Authorization Number _____

Inspection:

The system has been installed and inspected in compliance with the local Building/Electrical Code of

(City/County)

Signed (local Electrical Wiring Inspector), _____

Name (printed): _____

Date: _____

Rate Filed:

Effective:

Filed by:

1209495_1

**Town of Reading, Massachusetts
Municipal Light Department**

MDPU # 226

**Attachment 2
Certificate of Completion for Commercial Customer Owned Generation
Certificate of Completion**

As a condition of interconnection you are required to send by USPS mail or Fax a copy of this form along with a copy of the signed electrical permit to:

RMLD
P.O. BOX 150
READING MA 01867-0250

Received by RMLD _____
Date & Initial

Rate Filed:

Effective:

Filed by:

1209495_1

Terms and Conditions

RMLD Terms and Conditions for Commercial Customer-Owned Generation

This tariff and the terms and conditions contained herein govern certain renewable generation facilities located on a commercial customer's (*i.e.*, a customer currently receiving service from RMLD pursuant to one of RMLD's commercial and industrial tariffs) premises, where such facilities are owned or leased by the commercial customer, located on the customer's premises and used solely for the purpose of the customer's own consumption.

Availability: Net metering is available to generation facilities owned or leased by a commercial customer, located on the commercial customer's property where such customer currently receives service from RMLD, for the purpose of offsetting all or part of that customer's own electric power requirements from Customer-Owned Generation ("Facility"). The use of a Facility for providing service to a third party is strictly prohibited. Under no circumstance shall output from the Facility be provided or credited to any third party. The availability of net metering to a commercial customer that owns or leases a Facility ("Customer") is subject to the terms and conditions contained in this tariff. RMLD's General Terms and Conditions shall also apply to service under this tariff and Terms and Conditions, where not inconsistent with any specific provision hereof. In its sole discretion, RMLD may limit the cumulative generating capacity of all Facilities in its service territory.

1. Construction of the Facility. The Customer may proceed to construct the Facility once the RMLD has received the completed Attachment 1 - Application for Commercial Customer Owned Generation and said application has been approved by the RMLD. The Application shall be accompanied by a one-line diagram of the proposed Facility, and the application fee as determined by RMLD. The RMLD will not approve any such application if it determines that the Facility will have an adverse impact on RMLD's system or does not or will not comply with any of RMLD's Terms and Conditions. The Facility system capacity is subject to RMLD inspection and approval. The Facility shall be designed, constructed and operated in a manner that causes it to meet or exceed all applicable safety and electrical standards, including but not limited to the Massachusetts Building Code, the Massachusetts Department of Public Utilities' regulations, the National Electric Code, the National Electrical Safety Code, IEEE, UL and RMLD's General Terms and Conditions for Service. The Customer is responsible for all permits and regulatory approvals necessary for construction and operation of the Facility.

2. Interconnection and Operation. The Customer may operate Facility and interconnect with the RMLD's system only after the following has occurred:

2.1 Municipal Inspection. Upon completing construction, the Interconnecting Customer will cause the Facility to be inspected or otherwise certified and/or approved by the local wiring inspector.

2.2 Certificate of Completion. The Customer shall return the Certificate of Completion appearing as Attachment 2 - Certification of Completion for Commercial Customer Owned Generation, to the RMLD, P.O. Box 150, Reading, MA 01867-250.

2.3 RMLD Right to Inspection. Within ten (10) business days after the receipt of the Certificate of Completion, the RMLD shall, upon reasonable notice, and at a mutually convenient time, conduct an inspection of the Facility to ensure that all equipment has been properly installed, and that all electric connections have been made in accordance with the RMLD's requirements including these Terms and Conditions and RMLD's General Terms and Conditions. The RMLD has the right to disconnect the Facility in the event of improper installation or failure to return the Certificate of Completion to the RMLD.

2.4 Interconnection Metering/Wiring. The Customer shall furnish and have installed, if not already in place, the necessary meter socket and wiring in accordance with all applicable safety and electrical standards

2.5 Payment of Any Upgrades. The Customer shall be responsible for paying RMLD for any upgrades to RMLD's system necessitated by the connection of the Facility to RMLD's system. The Customer is also responsible for equipment expenses including net meters necessary to accommodate the Facility as set forth herein.

3. Safe Operation and Maintenance. The Customer shall be solely responsible for constructing, operating, maintaining, and repairing the Facility in a safe manner. The RMLD may temporarily disconnect the Facility to facilitate planned or emergency RMLD work. In addition, RMLD may disconnect the Facility from its system at any time that RMLD determines, in its sole discretion, that the safety and reliability of RMLD's system may be compromised by the operation of the Facility. In the event that Facility damages RMLD's system, the Customer shall be solely responsible for all costs associated with the repair and/or replacement of damaged portion of RMLD's system and/or equipment.

4. Metering and Billing. All Facilities constructed, installed, inspected, operated and maintained in accordance with these Terms and Conditions qualify for net metering as follows:

Rate Filed:

Effective:

Filed by:

**Town of Reading, Massachusetts
Municipal Light Department**

MDPU # 226

4.1 RMLD Installs Net Meter. RMLD shall furnish and install a meter capable of net metering within ten (10) business days after the inspection of the Facility set forth in Section 2.3, above, if such meter is not in place, at Customer's expense.

5. Limitation of Liability, Indemnification and Insurance. RMLD shall not be liable to the Customer or any other person for any loss, injury, damage, casualty, fees or penalties, asserted on the basis of any theory, arising from, related to or caused by the construction, installation, operation, maintenance or repair of the Facility, and associated equipment and wiring, except to the extent of its own gross negligence or willful misconduct, but only to the extent permitted by law. Neither by inspection nor non-rejection nor in any other way does RMLD give any warranty, expressed or implied as to the adequacy, safety or other characteristics of any equipment, wiring or devices, installed on the Customer's premises, including the Facility. The Customer shall indemnify and hold harmless RMLD, its board members, managers, employees, agents, consultants, attorneys and assigns from and against any and all losses, claims, damages, costs, demands, fines, judgments, penalties, payments and liabilities, together with any costs and expenses (including attorneys' fees) incurred in connection with, resulting from, relating to or arising out of the construction, operation, maintenance and repair of the Facility, including the Customer's failure to comply with these Terms and Conditions or any abnormality or failure in the operation of the Facility, or any adverse impact to RMLD's system or its other customers. The Customer shall maintain sufficient insurance to cover any damage to RMLD's system caused by the construction, operation, maintenance and repair the Facility and shall name RMLD as additional insured. The Customer shall provide RMLD with proof of satisfactory insurance upon request by RMLD.

6. Termination. Service may be terminated under the following conditions.

6.1 By Interconnecting Customer. The Customer may terminate service under this tariff by providing written notice to RMLD.

6.2 By RMLD. The RMLD may terminate service under this tariff (1) if the Facility fails to operate for any consecutive twelve month period or (2) in the event that the Facility impairs the operation of RMLD's electric distribution system or service to other customers or materially impairs the local circuit and the Customer does not cure the impairment at its sole expense.

7. Assignment/Transfer of Ownership of the Facility. In the event that a transfer of ownership of the Facility to a new Customer occurs, the new Customer must file Attachment 1 – Application for Commercial Customer Owned Generation and the application has been approved by RMLD.

8. Rates and Billing:

During a billing period the customer will be billed the then applicable rate for all electricity used by the customer according to the RMLD's billing meter.

If, during a billing period, the customer's facility feeds back excess electricity onto the RMLD system the rate credited to the customer for excess energy fed into RMLD's distribution system shall be equal to the then applicable RMLD's Monthly Fuel Charge, which may be adjusted by the Standard Fuel Charge Clause, for the billing period in which the credit was generated.

The RMLD may impose additional Terms and Conditions, as it deems necessary, in its sole discretion, for the protection of its distribution system, service territory, or its customers.

Rate Filed:

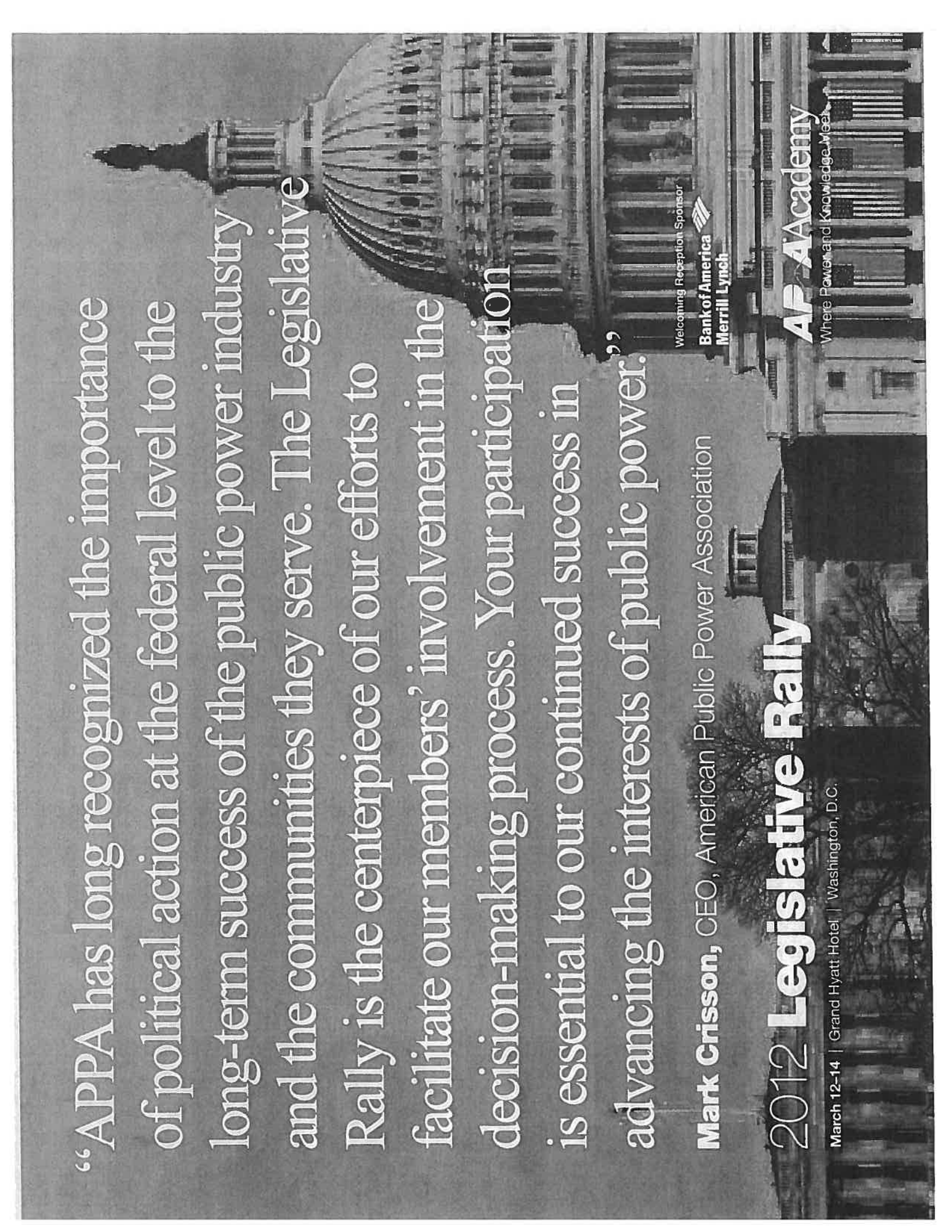
Effective:

Filed by:

#8

Other Items for Discussion

2012 Legislative Rally



“APPA has long recognized the importance of political action at the federal level to the long-term success of the public power industry and the communities they serve. The Legislative Rally is the centerpiece of our efforts to facilitate our members’ involvement in the decision-making process. Your participation is essential to our continued success in advancing the interests of public power.”

Mark Crisson, CEO, American Public Power Association

2012 Legislative Rally

March 12-14 | Grand Hyatt Hotel | Washington, D.C.

Welcoming Reception Sponsor

Bank of America
Merrill Lynch

AP Academy

Where Power and Knowledge Meet

“The APPA Legislative Rally is a powerful opportunity to understand how federal policies affect our industry at the local level. One-on-one meetings with legislators enable us to drive home the unique benefits that public power systems provide to each community, all while speaking with a common voice on policy initiatives that affect each and every system across the country.”

Bill Carroll, Chair of APPA, and General Manager of Greenville Light & Power System

Welcoming Reception Sponsor



L&R Luncheon Sponsor

Morgan Meguire LLC

Rally Breakfast Sponsor

Jennings
Strouss
ATTORNEYS AT LAW

Key federal policy issues that will be discussed at the Rally include:

- Maintaining tax-exempt financing for state and local governments, including public power utilities, in ongoing federal budget and tax reform negotiations;
- Maintaining cost-based rates for the federal Power Marketing Administrations in the ongoing federal budget negotiations;
- Streamlining and harmonizing the plethora of Environmental Protection Agency (EPA) regulations impacting public power generation in order to maintain a diverse portfolio of fuel options;
- Increasing oversight of the wholesale electricity markets and informing their design and operation to benefit consumers;
- Addressing cyber-security by ensuring that any legislation is built on the current NERC/FERC framework, recognizing the current cyber-security efforts that are underway, and enhancing communication between the federal government and the electric utility industry; and
- Expanding comparable incentives to public power utilities to help consumer-owned utilities build and own more renewable and clean energy projects should an energy tax package be considered by Congress in 2012.

APPA provides the resources, the connections, and the collective power to help public power communities have an impact in Washington, D.C.

Preliminary Program

Monday, March 12

Public power advocates gather at the Grand Hyatt Hotel for leadership meetings, pre-conference seminars, and the welcoming reception.

Tuesday, March 13

The Legislative and Resolutions (L&R) Committee meeting in the morning will review APPA's federal legislative agenda followed by a discussion of new proposed policies, and finally adoption of these policies. This is followed by the L&R Committee luncheon, with a keynote speaker who will focus on the issues of the day and political situation in our nation's capital. In the afternoon, attendees will meet with their congressional delegations on Capitol Hill and attend policy briefings on specific issues hosted by APPA at the Grand Hyatt Hotel. In the evening, PowerPAC contributors enjoy a reception to thank them for their help with APPA's political action committee.

Wednesday, March 14

Following the Legislative Rally breakfast, public power advocates travel to Capitol Hill for meetings with their congressional delegations.



About the APPA Academy

The 2012 APPA Legislative Rally is part of the APPA Academy, public power's complete resource for professional education. In addition, participants in a Pre-Rally Seminar can earn continuing education units. Through a variety of delivery methods, the APPA Academy helps electric utility employees stay abreast of rapidly moving industry technologies and regulatory requirements while providing an opportunity for them to meet their yearly training goals and certification requirements in formats and prices ranges that suit their needs.

For full details on the APPA Academy and its offerings, please visit www.APPAAcademy.org.

Highlights

Meet Your Representatives on Capitol Hill

As a public power expert, this is your opportunity to educate your Senators and Representatives on what is happening at your utility. This is a job that only you can do!

Legislative & Resolutions Committee

Be a part of the discussion and help us decide APPA's policy positions on key issues that are important to public power and hear from a keynote speaker at the luncheon about the state of play in Congress.

Legislative Rally Breakfast

This always-popular breakfast meeting is your chance to hear the latest happenings from political prognosticators or Members of Congress. APPA's Government Relations team will present our legislative policies and priorities in a fun and humorous manner.

Make Your Views Known on Capitol Hill

We need to ensure that Congress hears the voice of the public power community! This is your opportunity to influence policy makers who can make a difference. As a public power advocate, you are in the best position to talk to Congress about the direct impact of federal action at the local level. Our coordinated outreach efforts are strengthened because you represent not only your public power community, but also 46 million other Americans the benefit from being served by public power.

Pre-Rally Seminars

Overview of Federal Budget Process: Budgets, Appropriations, Deficits and Taxes

Monday, March 12, 2011 – 8:30AM–12:00PM

Congress has been focused on the deficit and the federal budget process for much of the last year. Learn about the budget process, how it's supposed to work, and what really happens. Gain insight into how taxes and incentives factor into the overall process.

Speakers: TBD

Understanding the Practical Implications Of the New EPA Regulations

Monday, March 12, 2011 – 1:30PM–5:00PM

Come learn about the potential technical, operational and financial implications resulting from the variety of EPA regulations expected between 2012 and 2019.

Speakers: *Theresa Pugh, Director, Environmental Services, and Alex Hofmann, Senior Energy & Environmental Services Engineer, American Public Power Association, Washington, D.C.*



More About the L&R Luncheon

Reserve a table at the Tuesday luncheon and ensure that your attendees and guests get the most value possible out of this annual event. Benefits of reserved tables:

- Preferential seating in the banquet hall.
- Three additional tickets to the luncheon (individual tickets cost \$55.00).
- Signage and advance notice of table location to ensure that attendees and invited guests are seated together.
- Greater visibility for guests who may be trying to locate you.

Cost

APPA Members

\$300*

Non-members

\$600*

Please note the number of tables you would like to reserve on the registration form and return it to APPA. APPA maintains the right to designate any APPA meeting or session as open only to APPA regular Members (public power systems, rural electric cooperatives, joint action agencies, state/regional associations).

*Counsel has advised that under House and Senate ethics rules, only APPA may extend invitations to House or Senate Members or staff to attend this event. Individual members of APPA are not permitted to extend invitations. Violations of these rules may result in criminal liability.

**The APPA Rally is not open to investor-owned utilities or other privately-owned energy companies.



Target Audience

Public power professionals who want to get involved and advocate on behalf of their communities and the industry.

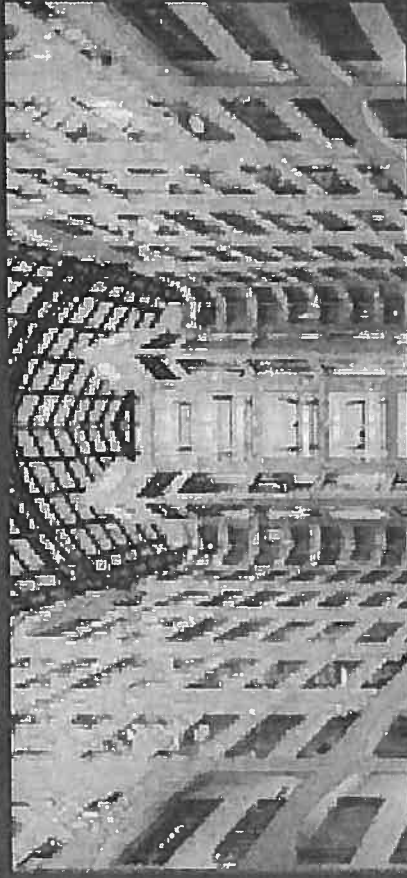
Hotel Accommodations/Reservations And Important Notice about Cancellations

The 2012 Legislative Rally will be held from March 12-14, at the Grand Hyatt Washington, 1000 H Street, NW, Washington, D.C., 20001. To ensure the APPA discounted room rate of \$299 per night (single/double, excluding D.C. taxes of 14.5%), please call the reservations center at 1-888/421-1442 after **November 1, 2011**, when the APPA sleeping room block will be open to receive reservations. When making a reservation, please request the APPA Legislative Conference.

Hotel Reservation Policy: Very Important, Please Read

The cut-off date to receive the group rate for the **Legislative Rally is February 10**. After February 10, 2011, you may be charged a higher rate based on availability. APPA will not be able to make any adjustments to your rate after February 10, 2011. **All reservations require a non-refundable room deposit equal to one night's stay plus applicable taxes that will be charged to your credit card at the time your reservation is made. If reservations are**

More about the Grand Hyatt Washington



Location, Location, Location! The Grand Hyatt Washington is located in the fastest growing part of downtown Washington, D.C.: Penn Quarter, which is in close proximity to 100+ restaurants and bars. The hotel is the ideal spot to explore all that our nation's capital has to offer and is within walking distance

or Metro stops away from several local attractions including the National Mall, Smithsonian Museums, the White House, the U.S. Capitol, historic monuments, the Verizon Center and Gallery Place shopping and entertainment complex.

Travel

Travel arrangements and costs are the responsibility of the meeting participants. APPA will not reimburse for changes in travel expenditures regardless of the cause, including the cancellation of a course, meeting or workshop.

Cancellations/ No Shows/Refunds/ Substitutions

Registrants who cancel in writing **on or before March 5, 2012**, are entitled to a refund of their registration fee, minus a \$50 cancellation fee. Registrants who cancel after March 5, will not receive a refund. However, we will accept attendee substitu-

canceled or changed within seven days of arrival the credit card will be charged a total of two nights (one night in addition to the first night's deposit). Please keep in mind that cancelled reservations that are not resold may become a financial liability for APPA, so please make your reservations thoughtfully. Check in time is 3:00 p.m. and check out is 12:00 p.m. Please contact the APPA meeting services department at 202-467-2938 if you need additional assistance with housing.

Photographs

By registering for this meeting, I authorize the American Public Power Association (APPA) to photograph me at this event and use such photographs in APPA marketing pieces (both electronic and print). I understand that I will not be paid for giving this consent.

tions for the 2012 APPA Legislative Rally only.

Registrants and no-shows who do not cancel on or before March 5, are responsible for the full registration fee and are not entitled to a refund of their registration fee. Cancellations must be made in writing and mailed, faxed, or e-mailed to:

Janaya Ramdat
Meetings Coordinator,
American Public Power
Association
1875 Connecticut Ave.,
NW, Suite 1200
Washington, D.C. 20009-5715
fax: 202/495-7484
e-mail: JRamdat@PublicPower.org.

2012 APPA Legislative Rally Registration Form

March 12-14, 2012 | Grand Hyatt Washington
Washington, D.C.

Attendee Information (Please print clearly. Reproduce form for additional registrants.
We cannot accept registration via telephone.)

Name	Title		
Organization			
Address			
City	State	Zip	
Phone	Fax		
E-mail			
Emergency Contact	Phone	E-mail	

☐ Check here if you have a disability and may require special accommodations

Registration Please check the appropriate box:

- ☐ **Legislative Rally**-ID 3801
- Online, Faxed or Mailed Registration**
- ☐ APPA Member \$245
- ☐ Nonmember \$490

Half-Day Pre-Rally Seminars

- ☐ Overview of Federal Budget Process:
Budgets, Appropriations, Deficits and
Taxes (8:30 a.m.-Noon)-ID 3869
- ☐ Understanding the Practical
Implications of New EPA Regulations
(1:30-5 p.m.)-ID 3870
- Payment Received On/Before 2/17**
- ☐ APPA Member \$275
- ☐ Nonmember \$550
- Payment Received After 2/17**
- ☐ APPA Member \$325
- ☐ Nonmember \$600

Program Contact: Joy Ditto at JDitto@PublicPower.org, 202/467-2954; Joe Nipper at
JNipper@PublicPower.org, 202/467-2931

Hotel Contact: Monique McCaw at MMcCaw@PublicPower.org, 202/467-2938
Reservations: 1-888-421-1442, mention APPA Legislative Rally
APPA Room Block Opens on November 1, 2011

L&R Luncheon Table Contact: Forrest Sholars at FSholars@PublicPower.org,
202/467-2959

Please check box below if you plan to attend the following events, which are included in
your registration:

Monday, March 12

- ☐ Welcoming Reception,
5:30 p.m.-ID 3804

Tuesday, March 13

- ☐ Legislative & Resolutions Committee
Meeting, 9:00 a.m.-ID 3805

- ☐ Legislative & Resolutions Committee
Luncheon, Noon-ID 3806

- ☐ I would like to purchase _____
additional luncheon ticket(s) at
\$55.00 per person-ID 3807

Wednesday, March 14

- ☐ Legislative Breakfast and Rally
7:30 a.m.-ID 3808

L&R Luncheon Table Reservations

Table Reservations-ID 3809

Number of Table(s)

- ☐ APPA Member \$300 per table
- ☐ Nonmember \$600 per table

Benefits of reserved tables:

- ☒ Preferential seating in the banquet hall
- ☒ Three additional tickets
to the luncheon
- ☒ Signage and advance notice
of table location

Organization Name for Table Signage

Confirmations/Name Badges

Please send my confirmation via ☐ Mail or ☐ E-mail to:

Pick up registration materials and badges at the APPA registration desk at the
Grand Hyatt Washington.

Payment Method

All fees are payable in U.S. currency. Nonmembers are required to include payment or
provide credit card information when registering.

- ☐ Enclosed is my check made payable to: American Public Power Association
- ☐ Bill me (members only) Purchase Order# (optional) _____
- ☐ Wire/ACH Payments contact: Katrina Reynolds-Taylor, 202/467-2962
- ☐ Please charge the following:
☐ MasterCard ☐ VISA ☐ American Express ☐ Discover

Name as it Appears on Card

Name of Attendee

Credit Card Number

Expiration Date

\$ Amount to Charge to Card

Cardholder Signature

Mail completed form and full payment to our bank lock box:

American Public Power Association • P.O. Box 418617 • Boston, MA 02241-8617

Register online at www.PublicPower.org/LegislativeRally

Registration Questions: 202/467-2941 • Fax: 202/495-7484