



New England RECs Connecticut Update

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Manager – Renewable Power Contracts

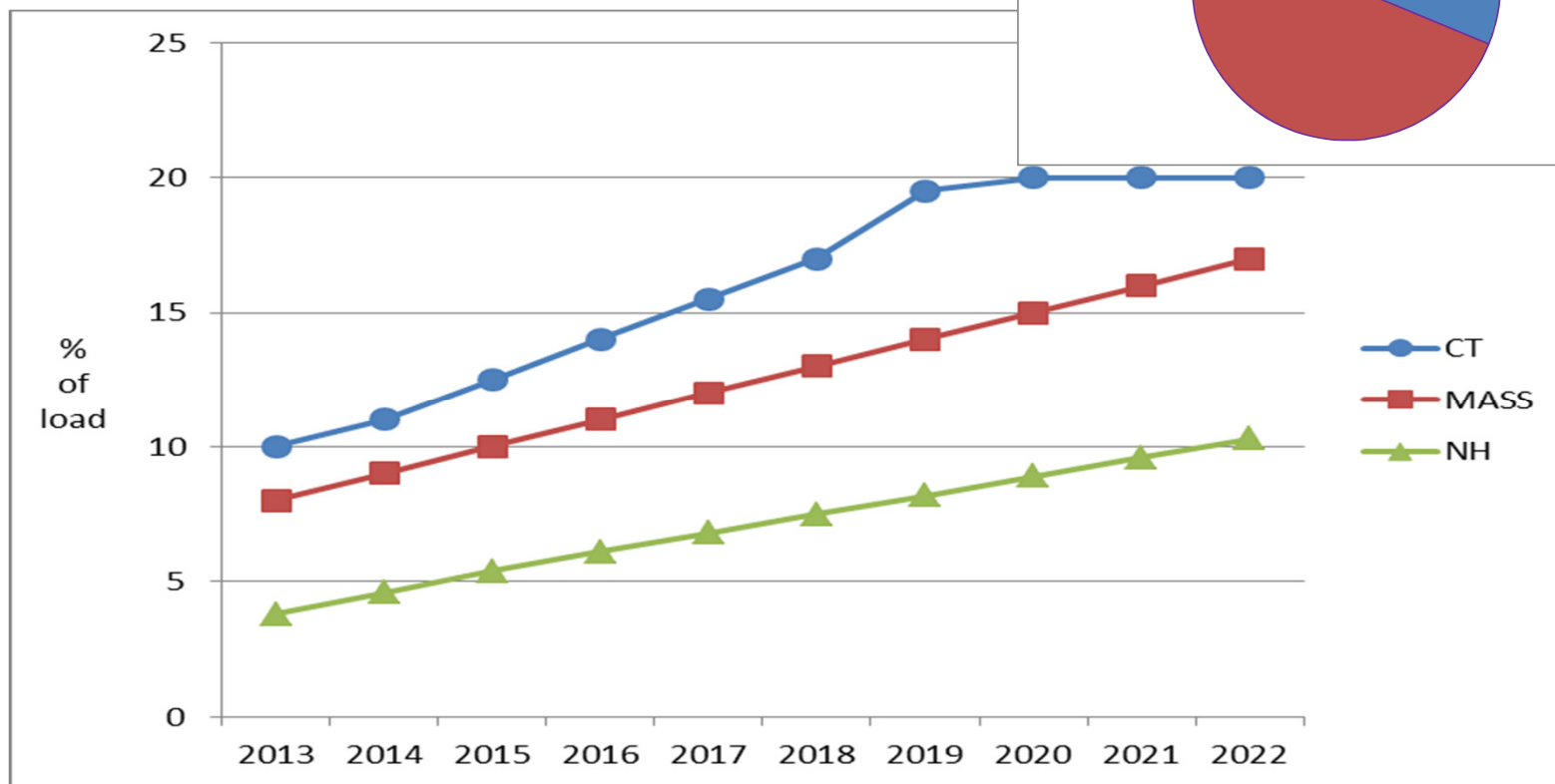
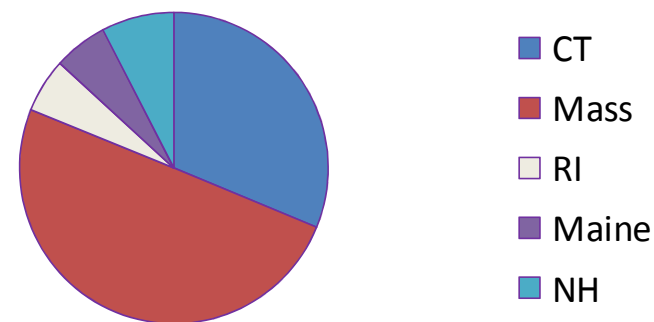
Northeast Utilities

May 21, 2014

Class I Renewable Energy Requirements



State Share of 2022 Total Renewable Demand



CT Class II and Class III RECs



- Class II = 3% - ACP = \$55
 - Trash to energy, biomass not included as Class I and older run-of-the river hydro
 - Legislative proposal in 2014 session to modify the treatment of trash to energy facilities
- Class III = 4% - ACP = \$31
 - Customer sited CHP systems, and electricity savings for C&LM programs; waste heat systems
 - PA 13-303 included language affecting utility generated C&LM RECs from 1/1/14.
 - See CT PURA docket 05-09-07RE02 and 05-09-07RE03



PA 03-135
Project 150
Contracts awarded
2007 – 2009

PA 11-80
LREC/ZREC
(~300 MW Class I)
Section 127 - (20
MW)

PA 13-303
Sec. 6 = New
Section 8 – Biomass
Section 7 – Hydro
Timing - TBD

Project 150 and Section 127 – Units in Operation as of 5/1/14



Program	Unit	Technology	Size
Project 150	Plainfield Renewable	Biomass	37.5 MW
Project 150	Dominion Bridgeport Fuel Cell	Fuel Cell	15 MW
Section 127	Somers Solar	Solar	5 MW
Section 127	East Lyme	Solar	5 MW

PA 13-303 – Section 6 and 8 RFP Results



Project	Location	Technology	Size
Number 9	ME	Wind	250 MW
Fusion Solar	CT	Solar	20 MW
Northern Wood	NH	Existing Biomass	21.5 MW
McNeil	NH	Existing Biomass	7.7 MW

LREC/ZREC – CL&P Program Results



Required CL&P to purchase ~\$816M worth of RECs under 15-yr contracts from Small (<2MW) renewable projects (solar & fuel cells) & expect +/-300 MW installed & <3,000 individual contracts

Category	Size	Total # Projects Selected to Date	Avg \$/REC (Year 2 CL&P)	Installed MW Expected	Installed MW To Date
LRECs	Up to 2 MW	22	\$57	10	2.0
Large ZRECs	250 – 1,000 kW	39	\$77	21	1.0
Medium ZRECs	+100 – 250 kW	106	\$94	20	5.0
Small ZRECs	0 – 100 kW	420	\$103.01	19	0.8
Total		587		70	8.8

LREC/ZREC Procurement Options



1) Competitive Solicitation - (RFP)

Project Type	Size	Annual Budget	Renewable Energy Credit Price Cap
Large ZRECs	≥250 kW to 1,000 kW	Approximately \$2.7 M	Max. \$302.71/REC
Medium ZRECs	>100 kW < 250 kW	Approximately \$2.7 M	Max. \$302.71/REC
LRECs	Up to 2,000 kW	\$4 M	Max. \$200/REC

2) Small ZREC Tariff

Project Type	Size	Annual Budget	Renewable Energy Credit Price
Small ZRECs	Up to 100 kW	Approximately \$2.7 M	Weighted Average of the Medium ZREC price + 10% up to \$302.71/REC

LREC/ZREC Eligibility Requirements



- Must be located behind contracting utility revenue meter and have a dedicated REC meter
- Must not have received funding/grants from CEFIA, or its predecessor the CCEF (other than low cost financing)
- Projects must be in service on, or after, July 1, 2011
- Must have zero emissions (May include solar, hydro and wind)
- Must be eligible to qualify as a Class I Renewable Project
- Must certify site control

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LREC/ZREC Procurement Schedule - Year 3 RFP



ACTION ITEM	DATE
RELEASE OF RFP	APRIL 24, 2014
BIDDERS CONFERENCE	MAY 5, 2014
DEADLINE FOR SUBMISSION OF QUESTIONS	MAY 16, 2014
BID FORMS DUE	JUNE 5, 2014 BY 1:00 P.M. (EASTERN PREVAILING TIME "EPT"), AT WHICH TIME THE PRICING SHALL BECOME FIRM, IRREVOCABLE AND BINDING.
SELECTION AND NOTIFICATION OF WINNING BIDDERS	ON OR ABOUT JULY 17, 2014
STANDARD CONTRACTS EXECUTION & PROVISION OF PERFORMANCE ASSURANCE	AFTER SELECTION AND NOTIFICATION OF WINNING BIDDERS. BIDDERS WILL HAVE TO RETURN PARTIALLY EXECUTED CONTRACTS AND PERFORMANCE ASSURANCE BY THE DATE ESTABLISHED BY THE COMPANIES WHICH IS EXPECTED TO BE APPROXIMATELY 10 BUSINESS DAYS AFTER TRANSMITTAL OF EXECUTION VERSION OF STANDARD CONTRACT.
STANDARD CONTRACT(S) FILED WITH PURA	FOLLOWING SELECTION OF WINNING BIDDER(S) AND EXECUTION OF STANDARD CONTRACTS DURING EACH ROUND.
COMMENCEMENT OF SERVICE	IN ACCORDANCE WITH STANDARD CONTRACTS