

Agenda Board of Trustees

August 5, 2010 | 8:00 a.m.-Noon EDT
Toronto Marriot Eaton Centre
525 Bay Street
Toronto, Ontario M5G 2L2 Canada
416-597-9200

Introductions and Chairman's Remarks

NERC Antitrust Compliance Guidelines

Consent Agenda — Approve

1. Minutes

- a. [July 14, 2010 – Conference Call](#)
- b. [June 11, 2010 – Conference Call](#)
- c. [June 11, 2010 – Action Without a Meeting](#)
- d. [May 18, 2010 – Action Without a Meeting](#)
- e. [May 17, 2010 – Conference Call](#)
- f. [May 12, 2010 – Meeting](#)

***2. Committee Membership Appointments and Charter Changes**

- a. Operating and Planning Committee Membership Changes
- b. Critical Infrastructure Protection Committee Charter Revisions

***3. Future Meetings**

Regular Agenda

4. Status of Matters in Canada — Discussion

Presentations by Mr. Brad Duguid, Ontario Minister of Energy and Infrastructure and Mr. Gaetan Caron, Chair and CEO of the National Energy Board of Canada

5. Remarks by Commissioner John Norris, FERC

6. Remarks by Commissioner Cheryl LaFleur, FERC

7. President's Report

- *8. **Reliability Standards**
 - a. Project 2006-04 — Backup Facilities — **Approve**
 - b. Project 2006-08 — Reliability Coordination — Transmission Loading Relief — **Approve**
 - c. Project 2007-17 — Protection System Maintenance and Testing — **Approve**
 - d. Project 2007-01 — Underfrequency Load Shedding — **Approve**
 - e. Project 2010-12 — Order 693 Directives — **Approve**
 - f. Project 2010-09 — Cyber Security Order 706B Nuclear Plant Implementation Plan — **Approve**
 - g. Section 1600 Data Request – CIP-002-4 — **Approve**
 - h. Results-based Standards Transition Plan — **Accept**
 - i. PRC-002-NPCC— Disturbance Monitoring — **Information**
 - j. Discussion of Executive Forum on Reliability — **Discussion**
- **9. [NERC and Regional Entity 2011 Business Plans and Budgets and Assessments — Approve](#)
- *10. **Bulk Power System Critical Infrastructure Strategic Roadmap — Discussion**
- *11. **Mandatory Data Collection of Interconnection Reliability Operating Limit/System Operating Limit (IROL/SOL) Exceedance — Approve**
- 12. **Status Report on Regional Delegation Agreements Metrics — Discussion**
- *13. **Update on Legislative and Regulatory Matters — Information**
- *Committee, Group, and Forum Reports (Agenda Item 14)**
 - [Compliance and Certification Committee](#)
 - [Critical Infrastructure Protection Committee](#)
 - [Member Representatives Committee](#)
 - [North American Energy Standards Board](#)
 - [Operating Committee](#)
 - [Personnel Certification Governance Committee](#)
 - [Planning Committee](#)
 - [Regional Entity Management Group](#)
 - [Standards Committee](#)
 - [North American Transmission Forum](#)
 - [Electricity Sub-Sector Coordinating Council](#)

Board Committee Reports

15. **Corporate Governance and Human Resources**
 - a. Board of Trustees Compensation Model — **Approve**
 - b. Board Oversight of NERC Standing Committees — **Review**
16. **Compliance**
17. **Finance and Audit**
 - a. Statement of Activities for 2nd Quarter 2010 — **Approve**
 - *b. Renewal of Line of Credit — **Approve**
18. **Technology**
19. **Nominating**

*Background materials are included.

**Background materials posted to the web-site and distributed electronically to the board.

Antitrust Compliance Guidelines

I. General

It is NERC's policy and practice to obey the antitrust laws and to avoid all conduct that unreasonably restrains competition. This policy requires the avoidance of any conduct that violates, or that might appear to violate, the antitrust laws. Among other things, the antitrust laws forbid any agreement between or among competitors regarding prices, availability of service, product design, terms of sale, division of markets, allocation of customers or any other activity that unreasonably restrains competition.

It is the responsibility of every NERC participant and employee who may in any way affect NERC's compliance with the antitrust laws to carry out this commitment.

Antitrust laws are complex and subject to court interpretation that can vary over time and from one court to another. The purpose of these guidelines is to alert NERC participants and employees to potential antitrust problems and to set forth policies to be followed with respect to activities that may involve antitrust considerations. In some instances, the NERC policy contained in these guidelines is stricter than the applicable antitrust laws. Any NERC participant or employee who is uncertain about the legal ramifications of a particular course of conduct or who has doubts or concerns about whether NERC's antitrust compliance policy is implicated in any situation should consult NERC's General Counsel immediately.

II. Prohibited Activities

Participants in NERC activities (including those of its committees and subgroups) should refrain from the following when acting in their capacity as participants in NERC activities (e.g., at NERC meetings, conference calls and in informal discussions):

- Discussions involving pricing information, especially margin (profit) and internal cost information and participants' expectations as to their future prices or internal costs.
- Discussions of a participant's marketing strategies.
- Discussions regarding how customers and geographical areas are to be divided among competitors.

- Discussions concerning the exclusion of competitors from markets.
- Discussions concerning boycotting or group refusals to deal with competitors, vendors or suppliers.
- Any other matters that do not clearly fall within these guidelines should be reviewed with NERC's General Counsel before being discussed.

III. Activities That Are Permitted

From time to time decisions or actions of NERC (including those of its committees and subgroups) may have a negative impact on particular entities and thus in that sense adversely impact competition. Decisions and actions by NERC (including its committees and subgroups) should only be undertaken for the purpose of promoting and maintaining the reliability and adequacy of the bulk power system. If you do not have a legitimate purpose consistent with this objective for discussing a matter, please refrain from discussing the matter during NERC meetings and in other NERC-related communications.

You should also ensure that NERC procedures, including those set forth in NERC's Certificate of Incorporation, Bylaws, and Rules of Procedure are followed in conducting NERC business.

In addition, all discussions in NERC meetings and other NERC-related communications should be within the scope of the mandate for or assignment to the particular NERC committee or subgroup, as well as within the scope of the published agenda for the meeting.

No decisions should be made nor any actions taken in NERC activities for the purpose of giving an industry participant or group of participants a competitive advantage over other participants. In particular, decisions with respect to setting, revising, or assessing compliance with NERC reliability standards should not be influenced by anti-competitive motivations.

Subject to the foregoing restrictions, participants in NERC activities may discuss:

- Reliability matters relating to the bulk power system, including operation and planning matters such as establishing or revising reliability standards, special operating procedures, operating transfer capabilities, and plans for new facilities.
- Matters relating to the impact of reliability standards for the bulk power system on electricity markets, and the impact of electricity market operations on the reliability of the bulk power system.
- Proposed filings or other communications with state or federal regulatory authorities or other governmental entities.
- Matters relating to the internal governance, management and operation of NERC, such as nominations for vacant committee positions, budgeting and assessments, and employment matters; and procedural matters such as planning and scheduling meetings.

Operating and Planning Committee Membership Changes

Action Required

Approve the following committee membership appointment and changes.

Operating Committee Election Results —Term 2010 – 2012

Sector	Elected Member
1. Investor-owned utility	Paul Johnson, American Electric Power
2. State/municipal utility	Richard Kinas, Orlando Utilities Commission
3. Cooperative utility	Chris Bolick, Associated Electric Cooperative
4. Federal or provincial utility/Federal Power Marketing Administration	Louis-Omer Rioux, Hydro Québec TransÉnergie
5. Transmission dependent utility	Ray Phillips, Alabama Municipal Electric Authority
6. Merchant electricity generator	No nominations received.
7. Electricity Marketer	Matt Greek, RRI Energy
8. Large end-use electricity customer	No nominations received.
9. Small end-use electricity customer	No nominations received.
10. Independent system operator/ regional transmission organization	David Zwergel, Midwest ISO
11. Regional Reliability Organization	None – All members are appointed by their region.
12. State Government	Jerome Murray, Oregon Public Utility Commission

Planning Committee Election Results —Term 2010 – 2012

Sector	Elected Member
1. Investor-owned utility	Dick Kafka, Pepco Holdings
2. State/municipal utility	Stuart Nelson, Lower Colorado River Authority
3. Cooperative utility	Jay Farrington, PowerSouth Energy Cooperative
4. Federal or provincial utility/Federal Power Marketing Administration	Christian Deguire, Hydro Québec TransÉnergie Ron Mazur, Manitoba Hydro
5. Transmission dependent utility	Kevin Koloini, American Municipal Power
6. Merchant electricity generator	Scott Helyer, Tenaska, Inc.
7. Small end-use electricity customer	Stacia Harper, Ohio Consumers' Counsel
8. Independent system operator/ regional transmission organization	Dan Rochester, IESO

Critical Infrastructure Protection Committee Charter Revisions

Action Required

Approve

Background

The following is a summary of the major proposed changes to the CIPC charter and the rationale for each.

CIPC Charter Section Modified	Reason for Change
Old Section 3	Removed entire section entitled “Functions – Electricity Sector”; contained no actionable guidance.
Throughout	Capitalized terms: Committee, Chair, Vice-Chair, and Executive Committee.
Throughout	Clarified use of acronyms (acronyms now appear after first use of the full term) and NERC Glossary Terms (now capitalized)
Throughout	Replaced bulleted lists with overall document outline, resulting in renumbering of sections and paragraphs; added paragraph headings throughout.
Throughout	Corrected typos, clarified language; all changes are highlighted in the redline version.
Section 2, Paragraph 2	Removed reference to the Indications, Analysis, and Warnings (IAW) Program.
Section 2, Paragraph 3	Added ISO/RTO Council to list in subparagraph (a); moved subparagraphs (d) and (e) into this section from Section 6 (old Section 7) – Meetings
Section 3 (old Section 4), Paragraph 3	Reordered classes of CIPC membership; causes this section to appear as mostly redline, though only minor wording changes were made.
Section 4 (old Section 5)	Removed language related to four SME EC members from the Officers section.
Section 4 (old Section 5), Paragraph 4	Clarified the Officer selection process to more closely align with CIPC practice and Robert’s Rules of Order.
Section 7 (old Section 8), Paragraph 1	Added language to define selection process for SME members of the EC.
Section 7 (old Section 8), Paragraph 2	Added EPSA and IRC to the list of trade associations eligible for non-voting membership in CIPC EC in subparagraph (a).
Section 7 (old Section 8), Paragraph 4	Removed reference to CIPC EC functioning as the Electricity Sub-Sector Coordinating Council (ESCC) and replaced it with subparagraph (a)(vii), referencing coordination with ESCC.
Appendix 1	Added language to match OC and PC Charters

Critical Infrastructure Protection Committee

CHARTER

~~Approved by the Board of Trustees~~

~~August 5, 2009~~

Draft for Review

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Section 1. Purpose

The mission of the Critical Infrastructure Protection Committee (CIPC) is to advance the physical and cyber security of the critical electricity infrastructure of North America.

Section 2. Functions – General

1. Advisory Panel to the NERC Board.

- a. Serve as an expert advisory panel to the NERC Board of Trustees and standing committees in the areas of physical and cyber security.

~~2.~~ Advisory Panel to the ~~ESISAC~~, ES-ISAC.

- ~~b.~~ a. Serve as an expert advisory panel to the Electricity Sector Information Sharing and Analysis Center (~~ESISAC~~) including the ~~ESISAC's~~ role in implementing the ~~Indications, Analysis, and Warnings Program~~, ES-ISAC.

~~2.3.~~ Coordination and Communications.

- a. Coordinate and communicate with those responsible for both physical and cyber security in all electric industry segments, including (among others) the American Public Power Association, (APPA), Canadian Electricity Association, (CEA), Edison Electric Institute, (EEI), Electric Power Research Institute, (EPRI), Electric Power Supply Association, (EPSA), ISO/RTO Council (IRC), National Rural Electric Cooperative Association, (NRECA), North American Energy Standards Board, (NAESB), the Nuclear Energy Institute, (NEI), and the NERC ~~Regions~~, Regional Entities (REs).
- b. Coordinate and communicate with the other critical infrastructure sectors as appropriate.
- c. Liaise with governments on critical infrastructure protection matters.
- d. Coordinate with the other NERC committees and working groups to assure the highest degree of collaboration possible.
- e. CIPC actions, documents, and recommendations will be distributed to the NERC committees and working groups and posted for industry comment (assuming sensitivity so permits, at the discretion of the CIPC). NERC committee, working group, and industry comments will be considered by the CIPC prior to forwarding actions or documents to the NERC Board for approval.

~~3.4.~~ Information Reporting.

- a. Establish and maintain an information reporting procedure for critical infrastructure protection among industry segments and ~~as appropriate,~~ with governments ~~as appropriate.~~

~~4.5.~~ **Security Guidelines.**

- a. Develop, periodically review, and revise (as appropriate) security guidelines. Issue guidelines in accordance with the process described in Appendix 1.

~~5.6.~~ **NERC Standards.**

Assist in the development and implementation of NERC standards.

- a. ~~b. Work with the NERC Operating and Planning Committees.~~
 - i. Identify the need for new or revised critical infrastructure protection standards and initiate standards actions by submitting standards authorization requests.
 - ii. Assist the standards process by providing expert resources in support of the development of critical infrastructure protection standards authorization requests and standards.
 - iii. Assist the standards process by providing a forum for education, sharing of views, and informed debate of critical infrastructure protection standards.
 - iv. Review draft critical infrastructure protection standards authorization requests and standards and provide comments.
 - v. Facilitate the implementation of critical infrastructure protection standards by developing reference documents and performing other activities.

b. Coordinate standards work with the NERC Operating and Planning Committees.

~~6.7.~~ **Forums and Workshops.**

- a. Conduct forums and workshops related to the scope of CIPC.

~~Section 3. Functions – Electricity Sector~~

~~**Protecting.** Includes physical security, cyber security, emergency preparedness and response, business continuity planning, and recovery from a catastrophic event, with emphasis on deterring, preventing, limiting, and recovering from terrorist attacks.~~

~~·Detering. To dissuade one from trying.~~

~~·Preventing. To cause an attempt to fail.~~

~~·Limiting. To constrain consequences in time and scope to something less than what they would have been otherwise.~~

~~·Recovering. Returning to normalcy quickly and without unacceptable consequences in the interim.~~

Section 3. ~~Section 4.~~ Membership

1. Owners and Operators.

- a. The majority of the members of CIPC will be representatives of the registered entities that own and/or operate the ~~bulk power electricity~~Bulk Electric System infrastructure of North America.

2. Expectations.

- a. Committee voting members are expected to:
 - i. Bring subject matter expertise to the CIPC.
 - ii. Be knowledgeable about physical and cyber security practices and challenges in the electricity sector.
 - iii. Attend and participate in all CIPC meetings.
 - iv. Express their own opinions at committee meetings but also represent ~~their~~ Region'sthe interests of their Regions.
 - v. Discuss and debate interests rather than positions.
 - vi. Complete Committee, Task Force, and Working Group assignments.

3. Selection.

- a. There will be a minimum total of 30 voting members. The maximum will be 32~~:-~~, as described below.

b. Twenty-four selected from the eight NERC Regional Entities each of which will appoint three members, one each with expertise in three technical areas - physical security, cyber security, and operations - as well as policy, as defined below:

- i. Physical Security – primarily focused on electricity sector facilities (including, but not limited to, generation, dams, transmission, substations, critical distribution facilities, and headquarters buildings). Candidates should have a background in Corporate or Physical Security at an asset owner utility, ISO or RTO.
- ii. Cyber Security – primarily focused on bulk power control systems (including, but not limited to, SCADA, EMS, DCS, and also systems such as OASIS), but with consideration also to systems required for business continuity of control centers. Candidates should have a background in control systems, infrastructure or operations security.
- iii. Operations – primarily focused on system operations at the balancing authority (control area) and reliability coordinator levels. Candidates should have a background in SCADA, EMS, substation or generating plant control equipment operation and administration.

~~• Two selected by the American Public Power Association:~~

iv. Policy – defined as having had regulatory review responsibility, strategic planning, or legislative development, review or advocacy experience positions in a NERC registered entity or an industry trade association. (The Executive Committee requires this expertise to establish strategy and policy direction for the Committee.)

~~b.c.~~ A minimum of two, (more if required as stated later in this paragraph) selected by ~~the Canadian Electricity Association~~ CEA. The Committee shall contain the number of Canadian voting representatives equal to the percentage of the Net Energy for Load (NEL) of Canada to the total NEL of the United States and Canada, times the total number of voting members on the Committee, rounded up to the next whole number. The Regional Entity representatives can fulfill this requirement. If the Canadian Regional Entity representatives are not ~~from Canada~~ in sufficient numbers, then NERC will ask the ~~Canadian Electricity Association~~ CEA to select sufficient Canadian representatives to meet the requirement.

~~e.d.~~ Two selected by ~~the National Rural Electric Cooperative Association~~ APPA.

~~• Twenty-four selected from the eight NERC Regional Entities each of which will appoint three members, one each with expertise in three technical areas – physical security, cyber security, and operations – as well as policy, as defined below:~~

- i. ~~Physical Security~~ — primarily focused on electricity sector facilities, including, but not limited to, generation, dams, transmission, critical distribution facilities, and headquarters buildings. ~~Candidates should have a background in Corporate or Physical Security at an asset owner utility, ISO or RTO.~~
- ii. ~~Cyber Security~~ — primarily focused on bulk power control systems (including, but not limited to, SCADA, EMS, DCS, and also systems like OASIS), but with consideration also to systems required for business continuity of control centers. ~~Candidates should have a background in control systems, infrastructure or operations security.~~
- iii. ~~Operations~~ — primarily focused on system operations at the (control area) balancing authority and reliability coordinator levels. ~~Candidates should have a background in SCADA, EMS, substation or generating plant control equipment operation and administration.~~

~~Policy~~ — defined as having had regulatory review responsibility, strategic planning, or legislating development, review or advocacy experience positions in a NERC registered entity or an industry trade association. ~~(The executive committee requires this expertise to establish strategy and policy direction for the committee.)~~

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e. 4-Two selected by NRECA.

4. **Executive Committee Review.**

- a. The ~~executive committee~~ Executive Committee (EC) will annually review the membership to ensure sufficient expertise is represented on the ~~committee~~ Committee and that the workload of the ~~committee~~ Committee is ~~being~~ fairly distributed. Discussions with Regional Entity leadership to achieve desired ~~committee~~ Committee membership would occur prior to any changes.

5. **Terms.**

- a. Terms are expected to be for at least two years with biannual review by the appointing organizations.

6. **Alternates.**

- a. Appointing organizations may appoint non-voting alternates who will have a voice at meetings and can be named as proxies by absent members.

Section 4. ~~Section 5.~~ Officers

1. ~~1.~~ Terms. At its September meeting in the odd-numbered years, the committee **Officer Positions.**

a. The Committee shall ~~select~~ have a chair, two vice-chairs, Chair and four executive committee members from among its voting members by majority vote two Vice-Chairs.

2. Terms.

a. The terms of the members of the committee to serve during the period all officer positions are for two years and shall begin on January 1st following their election and continue through December 31st of the second year following.

3. Timing of the following two years **Elections.**

a. Elections for the Chair and Vice-Chairs shall take place at the September meeting in odd-numbered years.

4. ~~2.~~ Selection- **Process.**

~~b.~~a. The ~~committee~~ Committee selects officers at its September meeting using the following process: The chair is selected first, followed by the two vice chairs. The executive committee is selected at the following December meeting.;

i. The nominating subcommittee will present its recommended candidate (or candidates if filling the ~~vice chair or executive committee~~ Vice Chair positions).

ii. The ~~chair opens~~ Secretary will open the floor for nominations.

iii. After hearing no further nominations, ~~the chair closes~~ or upon approval of a motion to close nominations, the Secretary will close the nominating process.

• The ~~committee~~ Committee will then vote on the ~~candidate slate of candidates~~ recommended by the nominating subcommittee, followed by the candidates nominated from the floor in the order in which they were nominated. The first candidate to garner a 2/3 majority of the committee's votes will be selected.

• If the ~~committee~~ nominates one person, that person is automatically selected as the next chair.

iv. If the committee nominates two or more persons, and none receive slate is approved by a 2/3 majority of the ~~committee's~~ votes, then slate shall be deemed elected and the secretary election shall close.

~~iv.v.~~ If the slate fails, the Secretary will distribute paper ballots for the members containing the names of all of the candidates, listed in the order in which they were nominated, on which the Committee members shall mark their preference(s).

~~vi.~~ The secretary will Secretary shall collect and tabulate the ballots. If the committee nominates three or Any ballot containing more votes than the number of open positions shall be deemed invalid. Any candidate(s) to garner a 2/3 majority of the Committee's votes will be deemed elected.

~~v.vii.~~ If open positions remain at the conclusion of the balloting process, the Chair may, at his/her discretion, open the floor for additional nominations. The Secretary shall prepare new ballots listing the names of the remaining and any newly-nominated candidates, then the winner will be selected using the Instant Runoff Process. (Explained in Roberts Rules of Order.) the order the nominations were made, and the balloting process shall be repeated until all positions have been filled.

~~vi.viii.~~ The elected leadership will be submitted to the NERC Board of Trustees for approval.

Section 5. ~~Section 6.~~ Nonvoting Members

1. Types of Non-voting Members.

- a. Governmental agencies at the national, provincial, and state levels
- b. Other electricity industry associations
- c. Vendors
- d. Other critical infrastructure protection sectors
- e. Other observers as appropriate
- f. CIPC secretary (and other NERC Staff)

Section 6. ~~Section 7.~~ Meetings

1. Quorum.

- a. A CIPC quorum requires two-thirds of the voting roster members, excluding vacant positions, to be present or represented by proxy. Any or all members of the CIPC may participate in a meeting, including being counted as part of the quorum, by means of a communication system by which all persons participating in the meeting are able to hear each other.

2. Voting.

- a. Motions carry upon affirmative vote of two-thirds of the total yes and no votes cast during the presence of a quorum. Abstentions do not count as votes.

3. Proxies.

- a. Only ~~roster~~rostered alternates may be designated as proxy representatives who may attend and vote at meetings provided the absent member notifies in writing (letter, facsimile, or email) the ~~chair, vice chair~~Chair, a Vice Chair, or ~~the~~ secretary. The proxy representative and his or her affiliation shall also be named in the correspondence. Each meeting attendee may only have one vote. In other words, an attendee may not have the normal one vote and also serve as a proxy for another member.

4. Agenda.

- a. The agenda of actions to be voted upon shall include the general wording of proposed motions. Only a voting member can provide a motion. A reasonable effort shall be made by those sponsoring items on a meeting agenda to have the action to be voted on and with background material distributed with the agenda at least two weeks before the meeting.

5. Actions Without a Meeting.

- a. CIPC may take action without a meeting if, after notice to all members, two-thirds of the members consent to the action in writing. Such action without a meeting shall be performed by electronic (facsimile or email) ballot. The ~~executive committee~~EC may initiate the call for such an action. Any member may ask the ~~chair~~Chair to arrange for such an action.

~~6. Coordination with Other Committees. The CIPC will coordinate its activities with the other NERC committees and working groups to assure the highest degree of collaboration possible.~~

~~7. Actions, Documents, and Recommendations. CIPC actions, documents, and recommendations will be distributed to the NERC committees and working groups and~~

~~posted for industry comment (assuming sensitivity so permits, at the discretion of the CIPC). NERC committee, working group, and industry comments will be considered by the CIPC prior to forwarding actions or documents to the board for approval.~~

6. ~~8.~~ **Regular Meetings.**

- a. CIPC meetings will be conducted at the discretion of the ~~chair~~Chair, generally once every three months.

7. ~~9.~~ **Open Meetings.**

- a. NERC committee meetings are open to the public, except as noted below under Confidential Sessions. Although meetings are open, only voting members may offer and act on motions.

8. ~~10.~~ **Confidential Sessions.**

- a. The ~~chair~~Chair of a committee may limit attendance at a meeting or portion of a meeting, based on confidentiality of the information to be disclosed at the meeting. Such limitations should be applied sparingly and on a non-discriminatory basis as needed to protect information that is sensitive to one or more parties. A preference, where possible, is to avoid the disclosure of sensitive or confidential information so that meetings may remain open at all times. Confidentiality agreements may also be applied as necessary to protect sensitive information. (See also the following paragraph on Confidential Matters.)

9. ~~11.~~ **Confidential Matters.**

- a. On occasion, the CIPC may be called upon to provide information or support in relation to a matter that requires ~~secrecy~~confidentiality. Upon such an occasion and with the approval of the NERC President/CEO, the ~~chair~~Chair of the CIPC may convene a working group to provide such information or support without notice or approval of any other member or group. The existence of such a working group, its mission and results, will be shared with the members only to the degree and at the time deemed appropriate by the NERC President/CEO.

10. ~~12.~~ **Parliamentary Procedures.**

- a. Roberts Rules of Order will apply to conduct of meetings.

11. ~~13.~~ **Non-Voting Members.**

- a. Non-voting members will have a voice at all open meetings.

Section 7. ~~Section 8.~~ Executive Committee

1. Members.

a. The CIPC shall have an ~~executive committee~~Executive Committee (EC) with the following membership.

i. Chair

ii. Two Vice-Chairs

iii. Secretary (non-voting, NERC staff member)

• Four Committee members, ~~nominated by the nominating task force and~~ elected by the ~~committee~~Committee, who are subject-matter experts (SME) in one of the following:

iv. areas: Physical Security, Cyber Security, Operations and Policy.

(a) ~~2. Nonvoting~~The SME members are selected at the December meeting in odd-numbered years, using the selection process defined in the Officers section above.

(b) The terms of the SME member positions are for two years and shall begin on January 1st following their election and continue through December 31st of the second year following.

2. Non-voting Members.

a. In addition, the ~~CIPC Executive Committee~~EC includes, as ~~nonvoting~~non-voting participants, the immediate past CIPC Chair who may serve one year, and named representatives from ~~American Public Power Association, Canadian Electricity Association, Edison Electric Institute, and National Rural Electric Cooperative Association.~~APPA, CEA, EEI, EPSA, IRC and NRECA. Other recognized and well-established trade associations from the electricity sector that are involved in critical infrastructure protection issues will be considered for nonvoting membership if they are not all ready represented. Additional ~~nonvoting~~non-voting members must be approved by the voting members of the ~~executive committee.~~EC.

3. Terms.

a. Terms shall be for two years commencing on January ~~1st~~1st of the year following appointment.

4. Duties.

a. Executive ~~committee~~Committee duties:

- i. Provide policy direction for the operation of the CIPC and manage task force and working group workload.
- ii. Review ~~committee~~Committee member candidates for expertise qualifications.
- iii. Respond to urgent matters by calling conference calls or special meetings.
- iv. Prepare meeting agendas.
- v. Coordinate CIPC activities with other NERC standing committees and other entities.
- vi. Report to the NERC Board of Trustees.
- vii. Serve as ~~Coordinate and collaborate with~~ the Electricity Sub-Sector Coordinating Council, ~~with the president of NERC and meet with the Electricity Sector Government Coordinating Council~~ (ESCC) as needed or requested.

Section 8. ~~Section 9.~~ Subgroups

1. Appointing Subgroups.

- a. The ~~CIPCEC~~ may appoint technical subgroups to address security-related issues as it deems fit or may assign such issues to its working groups and task forces. Working groups and task forces will take assignments from the ~~CIPCEC~~ and all work products will be presented to the CIPC for any further action. Subgroups will be reviewed annually by the ~~executive committee~~EC to ensure ~~the~~that work plans are being accomplished, workload is equitably distributed, and the subgroup is still adding value to the ~~committee~~Committee function.

2. Nominating Subcommittee.

- a. At the last regular meeting (normally the MayJune meeting) before the selection of a new ~~committee chair~~Committee Chair (normally the September meeting), the incumbent ~~chair~~Chair will nominate, for the ~~committee's~~Committee's approval, a ~~chair~~Chair of the nominating subcommittee. The subcommittee will recommend candidates for the ~~committee's new chair~~Committee's Chair, two ~~vice chairs~~Vice Chairs, and ~~executive committee~~four SME EC members.
- b. The ~~committee chair~~subcommittee Chair will then assemble the nominating subcommittee of five ~~committee~~Committee members.

- c. The subcommittee will solicit nominations from the ~~committee~~Committee for the ~~officer~~Officer and ~~executive committee~~SME EC positions.
- d. The subcommittee will review the nominations received and develop a slate of seven candidates: ~~One~~one for the ~~committee chair~~Committee Chair, two for the ~~committee vice chairs~~Committee Vice-Chairs, and four SME members of the ~~executive committee~~EC.
- e. The subcommittee will present its slate of officers at the ~~committee's~~Committee's September meeting and ~~executive committee~~SME EC members at the ~~committee's~~Committee's December meeting.

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Appendix 1 – Reliability Guidelines Approval Process

1. ~~1.~~ Guidelines

Guidelines are documents that suggest approaches or behavior in a given technical area for the purpose of improving reliability. Reliability guidelines are not binding norms or mandatory requirements. Reliability guidelines may be adopted by a responsible entity in accordance with its own facts and circumstances.¹

2. ~~2.~~ Approval of Guidelines

Because guidelines contain suggestions that may result in actions by responsible entities, those suggestions must be thoroughly vetted before a new or updated guideline receives approval by a technical committee. The process described below will be followed by the Critical Infrastructure Protection Committee:

- a. ~~a.~~ New/updated draft guideline approved: ~~for industry posting.~~ The Critical Infrastructure Protection Committee approves ~~for posting for industry comment the~~ release of a new or updated draft guideline developed by one of its subgroups or the committee as a whole.
- b. ~~b.~~ Post draft guideline for industry comment. The draft guideline is posted for industry wide comment for forty-five (45) days. If the draft guideline is an update, a redline version against the previous version must also be posted.
- c. ~~c.~~ Post industry comments and responses. After the public comment period, the Critical Infrastructure Protection Committee ~~posts will post~~ the comments received as well as its responses to the comments. The committee may delegate the preparation of responses to a committee subgroup.
- d. ~~d.~~ New/updated guideline approval and posting. A new or updated guideline, which considers the comments, received, is approved by the ~~sponsoring technical committee~~ Critical Infrastructure Protection Committee and posted ~~as “Approved”~~ on the NERC Web site. Updates must include a revision history and a redline version against the previous version.
- e. ~~e.~~ Guideline updates. After posting a new or updated guideline, the Critical Infrastructure Protection Committee will continue to accept comments from the industry via a Web-based forum where commenter’s may post their comments.
 - i. ~~i.~~ Each quarter, the Critical Infrastructure Protection Committee will review the comments received. At any time, the Critical Infrastructure Protection Committee may decide to update the guideline based on the comments received or on changes in the industry that necessitate an update.
 - ii. ~~ii.~~ Updating an existing guideline will require that a draft updated guideline be approved by the Critical Infrastructure Protection Committee in step “a” and

proceed to steps “b” and “c” until it is approved by the Critical Infrastructure Protection Committee in step “d.”

† Standards Committee authorization is required for a reliability guideline to become a supporting document that is posted with or referenced from a NERC Reliability Standard. See Appendix 3A in the NERC's Rules of Procedure under "Supporting Documents."

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iii. 13 —————

Future Meetings

Action Required

Approve August 3-4, 2011 (W-Th) in Vancouver, Canada as a future meeting date and location.

Approve change made to the **May 2011 meeting dates** from May 3-4, 2011 to May 10-11, 2011.

Information

The board has approved the following future meeting dates and locations:

- November 3-4, 2010 — Atlanta, GA (W-Th)
- February 16-17, 2011 — Phoenix, Arizona (W-Th)

Reliability Standards

Action Required

Approve or remand reliability standards and plans as follows:

- a. Project 2006-04 — Backup Facilities — **Approve**
- b. Project 2006-08 — Reliability Coordination — Transmission Loading Relief — **Approve**
- c. Project 2007-17 — Protection System Maintenance and Testing — **Approve**
- d. Project 2007-01 — Underfrequency Load Shedding — **Approve**
- e. Project 2010-12 — Order 693 Directives — **Approve**
- f. Project 2010-09 — Cyber Security Order 706B Nuclear Plant Implementation Plan — **Approve**
- g. Section 1600 Data Request – CIP-002-4 — **Approve**
- h. Results-based Standards Transition Plan — **Accept**
- i. PRC-002-NPCC— Disturbance Monitoring — **Information**
- j. Discussion of Executive Forum on Reliability — **Discussion**

Information

NERC's Reliability Standards Program works through the Standards Committee to develop and maintain continent-wide reliability standards, utilizing NERC's Reliability Standards Development Procedure. NERC also is responsible for the review of proposed regional entity standards. The program also has primary responsibility for managing NERC's relationship with the North American Energy Standards Board, which develops business practice standards and communications protocols for electric and gas wholesale and retail market participants. The standards program depends on the active involvement of industry subject matter experts to both recommend and develop reliability standards.

a. Project 2006-04 — Backup Facilities

Action Required

Approve EOP-008-1: Loss of Control Center Functionality and associated Violation Risk Factors (VRFs) and Violation Severity Levels (VSLs), and direct staff to file the standard with FERC and applicable governmental authorities in Canada. Concurrently retire EOP-008-0.

Background

The purpose of the proposed standard EOP-008-1 is to ensure continued reliable operations of the Bulk Electric System (BES) in the event that a control center becomes inoperable. To accomplish this purpose and to comply with FERC directives from Order No. 693, the proposed standard:

- Now clearly delineates what needs to be in the plan for backup functionality;
- Contains a provision for managing the risk to the system during the transition from primary to backup functionality;
- Declares that a Reliability Coordinator must now have a dedicated facility for their backup functionality and Transmission Operators and Balancing Authorities can have either a dedicated facility or may contract for services to provide backup functionality;
- Requires formal review and approval of the plan for backup functionality;
- Mandates the independence of the primary and backup capabilities;
- Requires testing of the plan for backup functionality; and,
- Establishes a procedure for creating a plan to re-establish backup capability following a catastrophic situation.

A link to the project history and files is included here for reference:

http://www.nerc.com/filez/standards/Backup_Facilities.html

The proposed standard addresses seven directives from FERC Order No. 693, six directly through revised requirements, and a seventh through the issuance of Compliance Bulletin #2010-04 that addresses the issue of backup functionality for large, centrally dispatched generation control centers. The six directives provide for backup capabilities that, at a minimum, must:

- Be independent of the primary control center.
- Be capable of operating for a prolonged period of time, generally defined by the time it takes to restore the primary control center.
- Provide for a minimum functionality to replicate the critical reliability functions of the primary control center.
- Provide that the extent of the backup capability be consistent with the impact of the loss of the entity's primary control center on the reliability of the bulk power system.
- Include a requirement that all reliability coordinators have full backup control centers.
- Require transmission operators and balancing authorities that have operational control over significant portions of generation and load to have minimum backup capabilities discussed above but may do so through contracting for these services instead of through dedicated backup control centers.

Five drafts of the standard were produced, including a draft for initial ballot in September 2009 that while achieving sufficient support for passage, identified the need for further standard enhancements. The team made further modifications, conducted an industry comment period, and then a concurrent initial ballot of the standard, and a non-binding poll of associated VRFs and VSLs that concluded on July 6, 2010. The proposed standard achieved 79.45 percent weighted segment approval with 89.05 percent of the ballot pool participating. At least one negative ballot with comment was received, necessitating a recirculation ballot to be held following the team's response to the comments. The results of this activity will be provided at the August 2010 board meeting. There were no significant minority views expressed in the ballot comments although some commenter's were concerned about the need to update the backup plan for *any* change, indicating that action may not always be necessary and is too prescriptive.

b. Project 2006-08 — Reliability Coordination — Transmission Loading Relief

Action Required

Approve IRO-006-5 - Reliability Coordination — Transmission Loading Relief, IRO-006-EAST-1 —TLR Procedure for the Eastern Interconnection, the new NERC Glossary term “Market Flow,” and associated VRFs and VSLs. Direct staff to file the standards and new definition with FERC and applicable governmental authorities in Canada. Concurrently retire IRO-006-4, with its attachments and regional differences, and the term “Reallocation” from the NERC Glossary.

Background

The proposed versions of the IRO-006-5 and IRO-006-EAST-1 standards are incremental improvements over the existing IRO-006-4 standard and Attachment 1. IRO-006-5 has been written to accommodate loading relief practices in all Interconnections, and relevant reliability details about the Eastern Interconnection Transmission Loading Relief (TLR) procedures in IRO-006-4 Attachment 1 have now been incorporated into IRO-006-EAST-1. Regional differences to IRO-006-4 have also been incorporated into the proposed standards and are proposed for retirement. Further, the standards have been drafted to reduce ambiguity and clearly indicate which entities are required to perform what actions. Additionally, VRFs and VSLs as proposed meet with FERC’s and NERC’s associated Guidelines.

A link to the project history and files is included here for reference:

<http://www.nerc.com/filez/standards/Reliability-Coordination-Transmission-Loading-Relief.html>

The standards were processed through the full standards development process, including four postings for formal comment. During the initial ballot that concluded on July 6, 2010, the standard achieved 85.06 percent weighted segment approval with 80.16 percent of the ballot pool participating. NERC processed associated VRFs and VSLs through a non-binding poll. At least one negative ballot with comment was received, necessitating a recirculation ballot to be held following the team’s response to the comments. The results of this activity will be provided at the August 2010 board meeting.

The standards were generally not controversial. However, several commenters objected to the requirement to update a TLR-1 on an hourly basis. The team noted in response that this is not a new requirement, and is one already required in the existing standard. Some commenters also suggested that the standard should not limit the actions that can be performed concurrently with TLR in response to an actual IROL violation. The drafting team believes that the list of actions provided is sufficiently broad and inclusive to allow for all concurrent solutions. Further, if a new method to mitigate congestion is developed in addition to those listed, it should be included in the standard only following the proper industry review that would be required to modify the standard.

c. Project 2007-17 — Protection System Maintenance and Testing

Action Required

Approve PRC-005-2 — Protection System Maintenance, a new NERC Glossary term for “Protection System Maintenance Program”, a modified term for “Protection System”, and associated VRFs and VSLs. Direct staff to file the standard with FERC and applicable governmental authorities in Canada. Concurrently retire PRC-005-1, PRC-008-0, PRC-011-0, and PRC-017-0.

Background

The purpose of the proposed standard PRC-005-2 is to ensure all transmission and generation Protection Systems affecting the reliability of the Bulk Electric System (BES) are maintained. The proposed standard improves reliability by adding greater specificity to the expectations for maintenance and testing of Protection Systems regarding time-based, maintenance-based, and performance-based approaches. The proposed standard also defines “Protection System Maintenance Program” and establishes minimum criteria for the program components, and modifies the definition of “Protection System” to be more inclusive of Protection System components. This revised definition addresses a standard deficiency noted in an interpretation approved by the NERC Board at its November 2009 meeting. The proposal also addresses five FERC Order 693 directives pertaining to the establishment of the maximum allowable maintenance intervals for the various types of protection systems, and the collapse of the existing maintenance standards into a single standard. FERC directed that NERC establish maximum allowable intervals for maintenance and testing of a protection system appropriate to the type of the protection system and its impact on the reliability of the Bulk-Power System, and the proposed PRC-005-2 succeeds in that objective.

During the development of the proposed standard, commenters expressed concern that the minimum criteria for the Protection System Maintenance Program are too prescriptive; and that the maximum allowable maintenance intervals are too restrictive for a “zero tolerance” program. The team modified the standard as a result, both in the tables of maintenance activities, and to a lesser extent, to the maximum allowable maintenance intervals.

The proposed standard was developed according to the NERC Reliability Standards Development Procedure. The standard drafting team developed two drafts of the reliability standard and developed VRFs and VSLs that meet NERC’s and FERC’s guidelines. During these opportunities, some commenters expressed concern over the inclusion of Transmission Owners as a responsible entity versus only Distribution Providers. The drafting team identified that in some areas the Transmission Owners are responsible for implementing UFLS and the approach is consistent with the current standard. Another concern centered on the limits placed on the generators required to support model development to those identified in NERC’s Statement of Compliance Registry criteria, indicating that frequency perturbations are potentially impactful to all generators. The team did not identify a meaningful way to incorporate criteria that reaches beyond the Bulk Electric System-connected generators for purposes of modeling.

A link to the project history and files is included here for reference:

http://www.nerc.com/filez/standards/Protection_System_Maintenance_Project_2007-17.html

At its June 2010 meeting, the Standards Committee approved a deviation to the regular development process to allow an expedited third posting with concurrent ballot in June 2010, with a target for NERC Board action at its August 2010 meeting. NERC began the initial ballot on July 8, 2010. The results of the initial and recirculation ballots as well as the summary of minority opinions will be provided at the August 2010 board meeting. NERC is also conducting a non-binding poll of the proposed VRFs and VSLs concurrent with the standard ballot.

d. Project 2007-01 — Underfrequency Load Shedding

Action Required

Approve PRC-006-1 — Under-frequency Load Shedding and EOP-003-2 – Load Shedding Plans, and associated VRFs and VSLs, direct staff to file the standards with FERC and applicable governmental authorities in Canada. Concurrently retire PRC-006-0, PRC-007-0, PRC-009-0, and EOP-003-1.

Background

Proposed standard, PRC-006-1, establishes design and documentation requirements for automatic Under-frequency Load Shedding (UFLS) programs to arrest declining frequency, assist recovery of frequency following underfrequency events, and provide last resort system preservation measures. The proposed standard improves reliability by:

- Establishing common performance characteristics that all UFLS programs must meet;
- Eliminating the “fill in the blank” aspects of the Version 0 standard; and
- Assigning responsibility for the development and assessment of UFLS programs to the Planning Coordinator.

In Order No. 693, FERC did not approve or remand the proposed reliability standard, PRC-006-0, as it is a “fill-in-the-blank” standard requiring the then Regional Reliability Organizations to develop the details of their UFLS programs. However, FERC did direct NERC to eliminate the use of the Regional Reliability Organization as a responsible entity and transition these requirements to the Regional Entity. The proposed reliability standard, PRC-006-1, addresses this directive in an equally efficient and effective manner by assigning responsibility to the Planning Coordinator for establishing UFLS programs, consistent with the expectations in the NERC Functional Model Version 5. PRC-007-0 and PRC-009-0 were both approved by FERC in Order 693 and the requirements in these standards map to the proposed reliability standard, PRC-006-1.

The proposed standard was developed according to the NERC Reliability Standards Development Procedure. The standard drafting team developed three drafts of the reliability standard and developed VRFs and VSLs that meet NERC’s and FERC’s guidelines. During these opportunities, some commenters expressed concern over the inclusion of Transmission Owners as a responsible entity versus only Distribution Providers. The drafting team identified that in some areas the Transmission Owners are responsible for implementing UFLS and the approach is consistent with the current standard. Another concern centered on the limits placed on the generators required to support model development to those identified in NERC’s Statement of Compliance Registry criteria, indicating that frequency perturbations are potentially impactful to all generators. The team did not identify a meaningful way to incorporate criteria that reaches beyond the Bulk Electric System-connected generators for purposes of modeling.

A link to the project history and files is included here for reference:

http://www.nerc.com/filez/standards/Underfrequency_Load_Shedding.html

At its June 2010 meeting, the Standards Committee approved a deviation to the regular development process to allow an expedited third posting with concurrent ballot in June 2010, with a target for NERC Board action at its August 2010 meeting. NERC began the initial ballot on July 8, 2010. The results of the initial and recirculation ballots as well as the summary of minority opinions will be provided at the August 2010 board meeting. NERC is also conducting a non-binding poll of the proposed VRFs and VSLs concurrent with the standard ballot.

e. Project 2010-12 — Order 693 Directives

Action Required

In accordance with the implementation plans provided therein, approve the following proposed standards, new or modified terms, and associated Violation Risk Factors and Violation Severity Levels, direct staff to file the standards with FERC and applicable governmental authorities in Canada. Concurrently retire existing versions of standards or NERC Glossary terms that are superseded by the approval as requested.

Revised Standards and Associated VRFs and VSLs for Approval

- BAL-002-1 - Disturbance Control Performance
- EOP-002-3 - Capacity and Energy Emergencies
- FAC-002-1 - Coordination of Plans For New Generation, Transmission, and End-User Facilities
- MOD-021-2 - Documentation of the Accounting Methodology for the Effects of Demand-Side Management in Demand and Energy Forecasts
- PRC-004-2 - Analysis and Mitigation of Transmission and Generation Protection System Misoperations
- VAR-001-2 - Voltage and Reactive Control

Existing Standards to Retire

- BAL-002-0 - Disturbance Control Performance
- EOP-002-2 - Capacity and Energy Emergencies
- FAC-002-0 - Coordination of Plans For New Generation, Transmission, and End-User Facilities
- MOD-021-1 - Documentation of the Accounting Methodology for the Effects of Demand-Side Management in Demand and Energy Forecasts
- PRC-004-1 - Analysis and Mitigation of Transmission and Generation Protection System Misoperations
- VAR-001-1 - Voltage and Reactive Control

NERC Glossary of Term Additions/Modifications/Retirement

- None.

Effective Dates

- MOD-021-1 - the first day of the first calendar quarter after applicable regulatory approval; or in those jurisdictions where no regulatory approval is required, the first day of the first calendar quarter after Board of Trustees' adoption.
- EOP-002-3, FAC-002-1, and VAR-001-2 - first day of the first calendar quarter, six months after applicable regulatory approval; or in those jurisdictions where no regulatory approval is required, the first day of the first calendar quarter six months after Board of Trustees' adoption.

- BAL-002-1 and PRC-004-2 - first day of the first calendar quarter, one year after applicable regulatory approval; or in those jurisdictions where no regulatory approval is required, the first day of the first calendar quarter one year after Board of Trustees' adoption.

Background

Following the issuance of the FERC orders on March 18, 2010, NERC increased its focus to addressing outstanding directives from FERC Order 693, issued in March, 2007. The request for approval herein reflects the first phase of a multi-phased activity to address the Order No. 693 directives completely by the end of 2011. The proposal contains 6 revised standards that address 11 directives that were deemed to be non- or less controversial to implement. Concurrent to the implementation of these modifications, NERC proposes to retire 6 existing standards.

The proposed standards are being processed through an expedited standards development process approved by the Standards Committee Executive Committee in June, 2010. The Standards Authorization Request and set of proposed standard changes were drafted by NERC staff, reviewed, and modified by a team of industry experts identified by staff, then presented for Standards Committee approval. After modifying the proposal to assure the changes did not conflict with the work of existing drafting teams that were nearing project completion, the Standards Committee Executive Committee approved the request and the set of proposed changes were posted for concurrent comment and initial ballot that began on June 18 and concluded on July 14, 2010. The ballot was conducted on a directive-level basis, in essence, a line item ballot. Proposals that did not garner sufficient support as demonstrated by the results of the initial ballot and the comments received were withdrawn from consideration in the recirculation ballot. The team was permitted to make modifications between the initial and recirculation ballots based on comments received to improve the overall quality of the standard. The recirculation ballot is slated to occur from July 20-30, 2010. NERC is also conducting a non-binding poll of the proposed VRFs and VSLs concurrent with the standards ballot. The results of the initial and recirculation ballots as well as the summary of the comments received will be provided at the August, 2010 Board meeting.

A link to the project history and files is included here for reference:

at http://www.nerc.com/filez/standards/Project2010-12_Order-693_Directives.html.

While the standards changes are not expected to be controversial, the process used to develop the initial proposal for Standards Committee consideration engendered concern from some industry representatives. Several commenters suggested that NERC staff involvement should not include drafting requirements or selecting experts to support standards development, and that the single concurrent comment and ballot approach was inappropriate. However, these actions are consistent with ANSI essential principles, and any interested party, including NERC staff, can propose a standards change request that includes red-line changes to the standards.

f. Project 2010-09 — Cyber Security Order 706B Nuclear Plant Implementation Plan

Action Required

Approve CIP-002 through CIP-009 Versions 2 and 3 implementation plans for U.S. nuclear plants and direct staff to file the plans with FERC and applicable governmental authorities in Canada.

Background

In its March 18, 2010 Order that approved the Version 1 CIP implementation plan for nuclear power plant generator owners and operators, FERC directed NERC, upon completion of the balloting process, to make a compliance filing submitting implementation plans for the Versions 2 and 3 CIP standards for owners and operators of the U.S. nuclear power plants on the same schedule established for Version 1. Accordingly, NERC, through the drafting team that developed the CIP Version 1 implementation plan for U.S. nuclear power plants, developed plans for implementing Versions 2 and 3 of the CIP standards on the same schedule as approved for Version 1. The Version 1 implementation plan, and now the Version 2 and 3 plans, are the later of i) the FERC-approved effective date of the Version 1 order plus 18 months or September 18, 2011, ii) the date the scope of systems determination is completed plus 10 months; or iii) if an outage is required for implementation, six months following the completion of the first refueling outage at least 18 months beyond the FERC effective date.

The Version 2 and 3 implementation plans were processed using the Reliability Standard Development Procedure that resulted in one public comment period and balloting. The standard successfully completed the ballot process with 87.24 percent weighted segment approval, and quorum 89.1 percent. From those that dissented, two themes were evident. First, commenters were concerned that the impact of the standards could not be fully appreciated until the “bright-line” scope of systems determination was finalized. Second, some commenters were interested in NERC waiving expectations to implement Versions 2 and 3 in lieu of proactively implementing Version 4 of the CIP standards currently under development. To the first point, NERC has aggressively worked with the nuclear community to finalize the scope of systems determination and has already provided significant guidance to that end. The effort is on target for completion in November 2010. As for the latter comment, it is premature to link implementation expectations to CIP standards that are still in development.

g. Section 1600 Data Request – CIP-002-4

Action Required

Approve the Section 1600 Data Request to conduct a survey of responsible entities currently held to compliance with CIP-002 through CIP-009 in applying proposed specific criteria to identify critical assets.

Background

In accordance with Section 1600 of the NERC Rules of Procedure, NERC may request data or information that is deemed necessary to meet its obligations under Section 215 of the Federal Power Act, as authorized by Section 39.2(d) of the Federal Energy Regulatory Commission's ("FERC") regulations. This is such a request. Section 1606 of the NERC Rules of Procedure allows for a shortened time period for posting a request for data or information if the data or information must be obtained in order to evaluate a threat to the reliability or security of the bulk power system or in order to comply with a directive in an order issued by FERC or another governmental authority.

NERC's Cyber Security Order 706 (CSO706) standard drafting team is tasked with improving the current versions of CIP-002 through CIP-009 reliability standards by addressing numerous issues identified in Order 706. The team is continuing to develop revised standards to accomplish this objective that are expected to be completed in 2011, as described in item 6.d of the Member Representatives Committee Agenda. In the interim and in the interest of adding more structure to the critical asset identification process, the team is proposing to revise the existing CIP-002-3 standard by adding specific criteria to be used for identifying critical assets. The team is uncertain of the impact the application of the proposed criteria will have regarding the identification of critical assets. Therefore, the team proposes to issue this data request to gather empirical data that will be used to guide the determination of the final criteria to be used in CIP-002. The team is expecting to obtain a reasonable estimate of the impact of applying the proposed CIP-002-4 criteria and not an exhaustive detailed analysis in response.

The team target for completion of a revised CIP-002-4 is by year-end 2010, thus creating the need to complete the data request process expeditiously. Accordingly, NERC issued this request for data or information in accordance with the timing requirements of Section 1606 of the NERC Rules of Procedure. NERC provided this data request to FERC for information on July 2, 2010. On July 6, 2010, the NERC Board of Trustees authorized the use of the shortened comment period from July 7–26, 2010 for industry consideration of the proposed data request. NERC plans to review the comments thereafter and present a final data request for BOT action at its August 5, 2010 meeting. In accordance with Section 1600 of the NERC Rules of Procedure, this data request is mandatory.

h. Results-based Standards Transition Plan

Action Required

- Accept the report of the Ad Hoc Team on *Results-based Reliability Standards Transition Plan*.
- Support the transfer of responsibility for implementing the recommendations in the *Results-based Reliability Standards Transition Plan* from the Ad Hoc Team for Results-based Reliability Standards to the NERC Standards Committee.

Background

In August, 2009, representatives from industry, NERC, and regional entity staffs formed an ad hoc team to develop recommendations to ensure that NERC's reliability standards can have the greatest possible positive effect on the reliability of the bulk power system. The team's initial recommendations included a guiding set of principles for improving the development and format of reliability standards. The NERC Board of Trustees endorsed those recommendations during its November 4, 2009 meeting. The Board also requested the team continue work to further develop a proposal for integrating the results-based principles into the set of NERC Reliability Standards.

The ad hoc team established that each standard drafting team should strive to achieve a portfolio of performance, risk, and competency-based mandatory reliability requirements that support an effective defense-in-depth strategy. Each requirement should identify a clear and measurable expected outcome, such as: a) a stated level of reliability performance, b) a reduction in a specified reliability risk, or c) a necessary competency.

- **Performance-based** — defines a particular reliability objective or outcome to be achieved. In its simplest form, a performance-based requirement specifies: *who, under what conditions (if any), shall perform what action* in order to achieve a particular result or outcome.
- **Risk-based** — preventive requirements to reduce the risks of failure to acceptable levels. A risk-based requirement specifies: *who, under what conditions (if any), shall perform what action* in order to achieve a particular result or outcome that reduces a stated risk to the reliability of the bulk power system.
- **Competency-based** — defines a minimum set of capabilities an entity needs to have to demonstrate it is able to perform its designated reliability functions.

The ad hoc team further established that an effective defense-in-depth strategy for reliability standards should recognize that each requirement in the NERC set of standards has a role in preventing system failures, and that these roles are complementary and reinforcing. Reliability standards should not be viewed as a body of unrelated requirements, but rather should be viewed as part of a coordinated portfolio of requirements designed to achieve an overall defense-in-depth strategy.

The ad hoc team prepared the [*Results-based Reliability Standards Transition Plan*](#) for transitioning the current set of NERC Reliability Standards to incorporate the results-based principles and for training the industry and drafting team members to implement the results-based methodology in support of the plan. To that end, NERC is seeking Board of Trustees acceptance for the transition plan along with approval to transfer responsibility for implementing the plan to the NERC Standards Committee.

i. PRC-002-NPCC —Disturbance Monitoring

Action Required

None

Background

The NPCC Board approved a regional Disturbance Monitoring Equipment standard, PRC-002-NPCC-1 – Disturbance Monitoring, and requested NERC board approval earlier this year. Review by NERC staff, as required in the NERC Rules of Procedure, identified a few matters requiring attention, although there are no substantive issues with the technical content of the proposed regional standard. NERC staff intends to bring this proposed regional standard back to the Board of Trustees for future action. A brief discussion of the regional standard review process and potential improvements to it will be presented at the board meeting.

j. Discussion of Executive Forum on Reliability

Action Required

None

Background

During the July 6, 2010 Reliability Standards Development Technical Conference led by the Federal Energy Regulatory Commission (FERC), there was wide agreement by most panelists regarding the importance of improving communications and working relations among senior leaders at the Commission and its Canadian counterparts, NERC, and industry. The discussion converged on the concept of a forum to engage senior leadership (e.g., commissioners, chief executive officers, and equivalents) in open communication on reliability policy issues and strategic priorities.

The forum would not be a decision-making or policymaking body, but would allow the airing of perspectives and foster a better understanding of roles and priorities. For instance, such a forum could be used to better understand the scope and meaning of reliability (e.g., cascading versus load loss), tradeoffs between reliability and cost to customers, strategic objectives with regard to critical infrastructure security, reliability impacts of new technologies, and priorities for addressing risks to reliability. The forum could also clarify roles and expectations with regard to setting of reliability standards.

Such a forum could have an added benefit of reengaging CEO level participation in NERC activities. At one time, NERC's board was made up principally of industry CEOs. These leaders would assess emerging reliability issues and reach agreement on priorities. As NERC moved to its independent board of trustees, one of the consequences has been a disengagement of CEOs from the NERC process. At the same time, industry executives want and need assurance that the ERO is working and achieving reliability objectives. One factor critical to the success of the Institute of Nuclear Power Operations (INPO) was the active involvement of CEOs in expressing mutual objectives and applying peer pressure. NERC also has an existing precedent for CEO engagement in the Electricity Sector Steering Group (ESSG), which has advised the NERC board on critical infrastructure protection issues for the past two years.

One Possible Framework for Purpose of Inviting Discussion and Input

The following is one suggestion introduced for the purpose of spurring discussion. Alternative approaches should be raised during discussion.

- Forum includes:
 - FERC commissioners (five)
 - Representative counterparts from Canada (up to five as available)
 - NERC trustees (chairman, CEO, and up to one additional trustee)
 - Industry executives
 - Investor-owned (three CEOs)
 - Public power (two CEOs, preferred one large and one small)
 - Cooperative (two CEOs, preferred one G&T and one distribution cooperative)
 - Canada (two CEOs, one east and one west)

- Marketer (one CEO)
- Independent producer (one CEO)
- End-use customer (one CEO or chief public advocate)
- Meet approximately half a day in conjunction with NERC Board of Trustees and Member Representatives Committee
 - One or two meetings per year as needed (possibly in Washington, D.C. and Canada)
 - Meeting conducted in an open forum with allowance for comments by observers at select points
 - Structured agendas focused on a small number of key issues for each session, allowing for in-depth dialog
 - Preparatory work by staffs
- Discussions are advisory and nonbinding – no policymaking or formal actions

Discussion Questions

1. Would an executive forum provide an effective means to improving communications and working relations among regulators, the ERO, and industry on reliability matters?
2. Are there alternative approaches?
3. Who should participate in the executive forum? Is the proposal sufficiently balanced?
4. Does the proposal for open meetings and observer comments provide sufficient transparency and openness?
5. Does tying sessions to the NERC board and MRC meeting adequately address concerns for efficiency and accessibility by stakeholders?
6. Would the success of NERC in achieving its reliability objectives as the ERO be enhanced by allowing the industry executive involved in such a forum to act as an advisory group to the NERC board?

2009 NEL Calculations and Allocations to Load Serving Entities (or Designee) for the 2011 NERC and RE Assessments

Data Year	Regional Entity	ID	Entity	Country	Total NEL (MWh)	U.S. NEL	Canada NEL	Mexico NEL	% of RE total	US Total	Canada Total	Mexico Total	% of ERO Total	US Total	Canada Total	Mexico Total	% of ERO - US Only
2009	FRCC	1074	Alachua, City of	U.S.	122,000	122,000			0.054%	0.054%	0.000%	0.000%	0.003%	0.003%	0.000%	0.000%	0.003%
2009	FRCC	1075	Bartow, City of	U.S.	301,500	301,500			0.133%	0.133%	0.000%	0.000%	0.007%	0.007%	0.000%	0.000%	0.008%
2009	FRCC	1076	Chattahoochee, City of	U.S.	43,600	43,600			0.019%	0.019%	0.000%	0.000%	0.001%	0.001%	0.000%	0.000%	0.001%
2009	FRCC	1077	Florida Keys Electric Cooperative Assn	U.S.	684,000	684,000			0.302%	0.302%	0.000%	0.000%	0.016%	0.016%	0.000%	0.000%	0.018%
2009	FRCC	1078	Florida Power & Light Co.	U.S.	110,149,000	110,149,000			48.566%	48.566%	0.000%	0.000%	2.514%	2.514%	0.000%	0.000%	2.858%
2009	FRCC	1079	Florida Public Utilities Company	U.S.	405,300	405,300			0.179%	0.179%	0.000%	0.000%	0.009%	0.009%	0.000%	0.000%	0.011%
2009	FRCC	1080	Gainesville Regional Utilities	U.S.	1,880,000	1,880,000			0.829%	0.829%	0.000%	0.000%	0.043%	0.043%	0.000%	0.000%	0.049%
2009	FRCC	1081	Homestead, City of	U.S.	485,000	485,000			0.214%	0.214%	0.000%	0.000%	0.011%	0.011%	0.000%	0.000%	0.013%
2009	FRCC	1082	JEA	U.S.	12,749,700	12,749,700			5.621%	5.621%	0.000%	0.000%	0.291%	0.291%	0.000%	0.000%	0.331%
2009	FRCC	1083	Lakeland Electric	U.S.	2,992,000	2,992,000			1.319%	1.319%	0.000%	0.000%	0.068%	0.068%	0.000%	0.000%	0.078%
2009	FRCC	1084	Mount Dora, City of	U.S.	94,900	94,900			0.042%	0.042%	0.000%	0.000%	0.002%	0.002%	0.000%	0.000%	0.002%
2009	FRCC	1085	New Smyrna Beach, Utilities Commissior	U.S.	389,000	389,000			0.172%	0.172%	0.000%	0.000%	0.009%	0.009%	0.000%	0.000%	0.010%
2009	FRCC	1086	Orlando Utilities Commission	U.S.	5,653,000	5,653,000			2.492%	2.492%	0.000%	0.000%	0.129%	0.129%	0.000%	0.000%	0.147%
2009	FRCC	1087	Progress Energy Florida	U.S.	41,671,000	41,671,000			18.373%	18.373%	0.000%	0.000%	0.951%	0.951%	0.000%	0.000%	1.081%
2009	FRCC	1088	Quincy, City of	U.S.	144,700	144,700			0.064%	0.064%	0.000%	0.000%	0.003%	0.003%	0.000%	0.000%	0.004%
2009	FRCC	1089	Reedy Creek Improvement District	U.S.	1,229,000	1,229,000			0.542%	0.542%	0.000%	0.000%	0.028%	0.028%	0.000%	0.000%	0.032%
2009	FRCC	1090	St. Cloud, City of (OUC)	U.S.	600,000	600,000			0.265%	0.265%	0.000%	0.000%	0.014%	0.014%	0.000%	0.000%	0.016%
2009	FRCC	1091	Tallahassee, City of	U.S.	2,805,000	2,805,000			1.237%	1.237%	0.000%	0.000%	0.064%	0.064%	0.000%	0.000%	0.073%
2009	FRCC	1092	Tampa Electric Company	U.S.	19,751,000	19,751,000			8.708%	8.708%	0.000%	0.000%	0.451%	0.451%	0.000%	0.000%	0.513%
2009	FRCC	1603	Vero Beach, City of	U.S.	753,000	753,000			0.332%	0.332%	0.000%	0.000%	0.017%	0.017%	0.000%	0.000%	0.020%
2009	FRCC	1093	Wauchula, City of	U.S.	67,451	67,451			0.030%	0.030%	0.000%	0.000%	0.002%	0.002%	0.000%	0.000%	0.002%
2009	FRCC	1094	Williston, City of	U.S.	35,200	35,200			0.016%	0.016%	0.000%	0.000%	0.001%	0.001%	0.000%	0.000%	0.001%
2009	FRCC	1095	Winter Park, City of	U.S.	455,600	455,600			0.201%	0.201%	0.000%	0.000%	0.010%	0.010%	0.000%	0.000%	0.012%
2009	FRCC	1072	Florida Municipal Power Agency	U.S.	6,151,036	6,151,036			2.712%	2.712%	0.000%	0.000%	0.140%	0.140%	0.000%	0.000%	0.160%
2009	FRCC	1073	Seminole Electric Cooperative	U.S.	17,190,667	17,190,667			7.580%	7.580%	0.000%	0.000%	0.392%	0.392%	0.000%	0.000%	0.446%
TOTAL FRCC					226,802,655	226,802,655	-	-	100.000%	100.000%	0.000%	0.000%	5.176%	5.176%	0.000%	0.000%	5.885%
2009	MRO	1199	Basin Electric Power Cooperative	U.S.	10,258,784	10,258,784	-	-	3.875%	3.875%	0.000%	0.000%	0.234%	0.234%	0.000%	0.000%	0.266%
2009	MRO	1201	Central Iowa Power Cooperative (CIPCO)	U.S.	2,663,059	2,663,059	-	-	1.006%	1.006%	0.000%	0.000%	0.061%	0.061%	0.000%	0.000%	0.069%
2009	MRO	1204	Corn Belt Power Cooperative	U.S.	1,825,227	1,825,227	-	-	0.689%	0.689%	0.000%	0.000%	0.042%	0.042%	0.000%	0.000%	0.047%
2009	MRO	1207	Dairyland Power Cooperative	U.S.	5,200,600	5,200,600	-	-	1.964%	1.964%	0.000%	0.000%	0.119%	0.119%	0.000%	0.000%	0.135%
2009	MRO	1210	Great River Energy	U.S.	13,245,294	13,245,294	-	-	5.003%	5.003%	0.000%	0.000%	0.302%	0.302%	0.000%	0.000%	0.344%
2009	MRO	1222	Minnkota Power Cooperative, Inc.	U.S.	3,818,990	3,818,990	-	-	1.442%	1.442%	0.000%	0.000%	0.087%	0.087%	0.000%	0.000%	0.099%
2009	MRO	1230	Nebraska Public Power District	U.S.	12,666,632	12,666,632	-	-	4.784%	4.784%	0.000%	0.000%	0.289%	0.289%	0.000%	0.000%	0.329%
2009	MRO	1232	Omaha Public Power District	U.S.	10,305,544	10,305,544	-	-	3.893%	3.893%	0.000%	0.000%	0.235%	0.235%	0.000%	0.000%	0.267%
2009	MRO	1237	Southern Montana Generation and Trans	U.S.	4,461	4,461	-	-	0.002%	0.002%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
2009	MRO	1240	Western Area Power Administration (UM)	U.S.	8,322,860	8,322,860	-	-	3.144%	3.144%	0.000%	0.000%	0.190%	0.190%	0.000%	0.000%	0.216%
2009	MRO	1239	Western Area Power Administration (LM)	U.S.	126,885	126,885	-	-	0.048%	0.048%	0.000%	0.000%	0.003%	0.003%	0.000%	0.000%	0.003%
2009	MRO	1217	Manitoba Hydro	CAN	24,647,899		24,647,899		9.310%	0.000%	9.310%	0.000%	0.562%	0.000%	0.562%	0.000%	0.000%
2009	MRO	1235	SaskPower	CAN	19,748,000		19,748,000		7.459%	0.000%	7.459%	0.000%	0.451%	0.000%	0.451%	0.000%	0.000%
2009	MRO	1195	Alliant Energy (Alliant East - WPL & Allia	U.S.	27,772,033	27,772,033	-	-	10.490%	10.490%	0.000%	0.000%	0.634%	0.634%	0.000%	0.000%	0.721%
2009	MRO	1216	Madison, Gas and Electric	U.S.	3,332,068	3,332,068	-	-	1.259%	1.259%	0.000%	0.000%	0.076%	0.076%	0.000%	0.000%	0.086%
2009	MRO	1220	MidAmerican Energy Company	U.S.	21,530,193	21,530,193	-	-	8.132%	8.132%	0.000%	0.000%	0.491%	0.491%	0.000%	0.000%	0.559%
2009	MRO	1221	Minnesota Power	U.S.	10,059,894	10,059,894	-	-	3.800%	3.800%	0.000%	0.000%	0.230%	0.230%	0.000%	0.000%	0.261%
2009	MRO	1226	Montana-Dakota Utilities Co.	U.S.	2,593,368	2,593,368	-	-	0.980%	0.980%	0.000%	0.000%	0.059%	0.059%	0.000%	0.000%	0.067%
2009	MRO	1231	NorthWestern Energy	U.S.	1,420,282	1,420,282	-	-	0.536%	0.536%	0.000%	0.000%	0.032%	0.032%	0.000%	0.000%	0.037%
2009	MRO	1233	Otter Tail Power Company	U.S.	4,272,885	4,272,885	-	-	1.614%	1.614%	0.000%	0.000%	0.098%	0.098%	0.000%	0.000%	0.111%
2009	MRO	1243	Integrus Energy Group (WPS and UPPC)	U.S.	13,511,063	13,511,063	-	-	5.103%	5.103%	0.000%	0.000%	0.308%	0.308%	0.000%	0.000%	0.351%
2009	MRO	1244	Xcel Energy Company (NSP)	U.S.	44,905,543	44,905,543	-	-	16.961%	16.961%	0.000%	0.000%	1.025%	1.025%	0.000%	0.000%	1.165%
2009	MRO	1196	Ames Municipal Electric System	U.S.	727,018	727,018	-	-	0.275%	0.275%	0.000%	0.000%	0.017%	0.017%	0.000%	0.000%	0.019%
2009	MRO	1604	Atlantic Municipal Utilities	U.S.	79,557	79,557	-	-	0.030%	0.030%	0.000%	0.000%	0.002%	0.002%	0.000%	0.000%	0.002%

2009 NEL Calculations and Allocations to Load Serving Entities (or Designee) for the 2011 NERC and RE Assessments

Data Year	Regional Entity	ID	Entity	Country	Total NEL (MWh)	U.S. NEL	Canada NEL	Mexico NEL	% of RE total	US Total	Canada Total	Mexico Total	% of ERO Total	US Total	Canada Total	Mexico Total	% of ERO - US Only
2009	MRO	1476	Badger Power Marketing Authority of Wis	U.S.	346,850	346,850	-	-	0.131%	0.131%	0.000%	0.000%	0.008%	0.008%	0.000%	0.000%	0.009%
2009	MRO	1200	Cedar Falls Municipal Utilities	U.S.	506,306	506,306	-	-	0.191%	0.191%	0.000%	0.000%	0.012%	0.012%	0.000%	0.000%	0.013%
2009	MRO	1477	Central Minnesota Municipal Power Ager	U.S.	427,162	427,162	-	-	0.161%	0.161%	0.000%	0.000%	0.010%	0.010%	0.000%	0.000%	0.011%
2009	MRO	1605	City of Pella	U.S.	174,751	174,751	-	-	0.066%	0.066%	0.000%	0.000%	0.004%	0.004%	0.000%	0.000%	0.005%
2009	MRO	1203	Escanaba Municipal Electric Utility	U.S.	141,278	141,278	-	-	0.053%	0.053%	0.000%	0.000%	0.003%	0.003%	0.000%	0.000%	0.004%
2009	MRO	1205	Falls City Water & Light Department	U.S.	38,264	38,264	-	-	0.014%	0.014%	0.000%	0.000%	0.001%	0.001%	0.000%	0.000%	0.001%
2009	MRO	1206	Fremont Department of Utilities	U.S.	417,653	417,653	-	-	0.158%	0.158%	0.000%	0.000%	0.010%	0.010%	0.000%	0.000%	0.011%
2009	MRO	1208	Geneseo Municipal Utilities	U.S.	63,823	63,823	-	-	0.024%	0.024%	0.000%	0.000%	0.001%	0.001%	0.000%	0.000%	0.002%
2009	MRO	1209	Grand Island Utilities Department	U.S.	681,421	681,421	-	-	0.257%	0.257%	0.000%	0.000%	0.016%	0.016%	0.000%	0.000%	0.018%
2009	MRO	1606	Harlan Municipal Utilities	U.S.	18,543	18,543	-	-	0.007%	0.007%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
2009	MRO	1211	Hastings Utilities	U.S.	395,028	395,028	-	-	0.149%	0.149%	0.000%	0.000%	0.009%	0.009%	0.000%	0.000%	0.010%
2009	MRO	1212	Heartland Consumers Power District	U.S.	661,111	661,111	-	-	0.250%	0.250%	0.000%	0.000%	0.015%	0.015%	0.000%	0.000%	0.017%
2009	MRO	1213	Hutchinson Utilities Commission	U.S.	289,175	289,175	-	-	0.109%	0.109%	0.000%	0.000%	0.007%	0.007%	0.000%	0.000%	0.008%
2009	MRO	1215	Lincoln Electric System	U.S.	3,144,646	3,144,646	-	-	1.188%	1.188%	0.000%	0.000%	0.072%	0.072%	0.000%	0.000%	0.082%
2009	MRO	1218	Manitowoc Public Utilities	U.S.	515,000	515,000	-	-	0.195%	0.195%	0.000%	0.000%	0.012%	0.012%	0.000%	0.000%	0.013%
2009	MRO	1223	Missouri River Energy Services	U.S.	2,163,696	2,163,696	-	-	0.817%	0.817%	0.000%	0.000%	0.049%	0.049%	0.000%	0.000%	0.056%
2009	MRO	1224	MN Municipal Power Agency (MMPA)	U.S.	1,384,852	1,384,852	-	-	0.523%	0.523%	0.000%	0.000%	0.032%	0.032%	0.000%	0.000%	0.036%
2009	MRO	1607	Montezuma Municipal Light & Power	U.S.	26,256	26,256	-	-	0.010%	0.010%	0.000%	0.000%	0.001%	0.001%	0.000%	0.000%	0.001%
2009	MRO	1227	Municipal Energy Agency of Nebraska	U.S.	971,728	971,728	-	-	0.367%	0.367%	0.000%	0.000%	0.022%	0.022%	0.000%	0.000%	0.025%
2009	MRO	1228	Muscatine Power and Water	U.S.	847,099	847,099	-	-	0.320%	0.320%	0.000%	0.000%	0.019%	0.019%	0.000%	0.000%	0.022%
2009	MRO	1229	Nebraska City Utilities	U.S.	162,093	162,093	-	-	0.061%	0.061%	0.000%	0.000%	0.004%	0.004%	0.000%	0.000%	0.004%
2009	MRO	1234	Rochester Public Utilities	U.S.	1,181	1,181	-	-	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
2009	MRO	1236	Southern Minnesota Municipal Power Ag	U.S.	2,865,679	2,865,679	-	-	1.082%	1.082%	0.000%	0.000%	0.065%	0.065%	0.000%	0.000%	0.074%
2009	MRO	1241	Willmar Municipal Utilities	U.S.	285,947	285,947	-	-	0.108%	0.108%	0.000%	0.000%	0.007%	0.007%	0.000%	0.000%	0.007%
2009	MRO	1242	Wisconsin Public Power, Inc. (East and V	U.S.	5,184,182	5,184,182	-	-	1.958%	1.958%	0.000%	0.000%	0.118%	0.118%	0.000%	0.000%	0.135%
TOTAL MRO					264,751,863	220,355,964	44,395,899	-	100.00%	83.231%	16.769%	0.000%	6.042%	5.029%	1.013%	0.000%	5.718%
2009	NPCC	1336	New England	U.S.	131,330,000	131,330,000	-	-	20.141%	20.141%	0.000%	0.000%	2.997%	2.997%	0.000%	0.000%	3.408%
2009	NPCC	1339	New York	U.S.	164,568,000	164,568,000	-	-	25.239%	25.239%	0.000%	0.000%	3.756%	3.756%	0.000%	0.000%	4.270%
2009	NPCC	1337	Ontario	Canada	143,334,000	-	143,334,000	-	21.982%	0.000%	21.982%	0.000%	3.271%	0.000%	3.271%	0.000%	-
2009	NPCC	1341	Quebec	Canada	186,617,000	-	186,617,000	-	28.620%	0.000%	28.620%	0.000%	4.259%	0.000%	4.259%	0.000%	-
2009	NPCC	1338	New Brunswick	Canada	14,153,000	-	14,153,000	-	2.171%	0.000%	2.171%	0.000%	0.323%	0.000%	0.323%	0.000%	-
2009	NPCC	1340	Nova Scotia	Canada	12,047,000	-	12,047,000	-	1.848%	0.000%	1.848%	0.000%	0.275%	0.000%	0.275%	0.000%	-
TOTAL NPCC					652,049,000	295,898,000	356,151,000	-	100.00%	45.380%	54.620%	0.000%	14.880%	6.753%	8.128%	0.000%	7.678%
2009	RFC	1096	Alger Delta Cooperative Electric Associa	U.S.	58,452	58,452	-	-	0.007%	0.007%	0.000%	0.000%	0.001%	0.001%	0.000%	0.000%	0.002%
2009	RFC	1097	American Municipal Power	U.S.	3,266,383	3,266,383	-	-	0.367%	0.367%	0.000%	0.000%	0.075%	0.075%	0.000%	0.000%	0.085%
2009	RFC	1104	Bay City	U.S.	327,837	327,837	-	-	0.037%	0.037%	0.000%	0.000%	0.007%	0.007%	0.000%	0.000%	0.009%
2009	RFC	1098	Village of Bethel	U.S.	28,950	28,950	-	-	0.003%	0.003%	0.000%	0.000%	0.001%	0.001%	0.000%	0.000%	0.001%
2009	RFC	1101	Buckeye Power Inc. (DUKE-CIN)	U.S.	264,722	264,722	-	-	0.030%	0.030%	0.000%	0.000%	0.006%	0.006%	0.000%	0.000%	0.007%
2009	RFC	1100	Buckeye Power Inc. (ATSI)	U.S.	1,008,992	1,008,992	-	-	0.113%	0.113%	0.000%	0.000%	0.023%	0.023%	0.000%	0.000%	0.026%
2009	RFC	1102	Cannelton Utilities	U.S.	16,561	16,561	-	-	0.002%	0.002%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
2009	RFC	1105	City of Chelsea	U.S.	91,543	91,543	-	-	0.010%	0.010%	0.000%	0.000%	0.002%	0.002%	0.000%	0.000%	0.002%
2009	RFC	1106	City of Croswell	U.S.	36,295	36,295	-	-	0.004%	0.004%	0.000%	0.000%	0.001%	0.001%	0.000%	0.000%	0.001%
2009	RFC	1107	City of Crystal Falls	U.S.	13,492	13,492	-	-	0.002%	0.002%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
2009	RFC	1108	City of Eaton Rapids	U.S.	78,038	78,038	-	-	0.009%	0.009%	0.000%	0.000%	0.002%	0.002%	0.000%	0.000%	0.002%
2009	RFC	1110	City of Hamilton	U.S.	441,596	441,596	-	-	0.050%	0.050%	0.000%	0.000%	0.010%	0.010%	0.000%	0.000%	0.011%
2009	RFC	1111	City of Hart	U.S.	35,960	35,960	-	-	0.004%	0.004%	0.000%	0.000%	0.001%	0.001%	0.000%	0.000%	0.001%
2009	RFC	1490	City of Lansing	U.S.	2,095,740	2,095,740	-	-	0.236%	0.236%	0.000%	0.000%	0.048%	0.048%	0.000%	0.000%	0.054%
2009	RFC	1112	City of Marquette Board of Light & Powe	U.S.	337,947	337,947	-	-	0.038%	0.038%	0.000%	0.000%	0.008%	0.008%	0.000%	0.000%	0.009%
2009	RFC	1165	City of Painesville	U.S.	157,647	157,647	-	-	0.018%	0.018%	0.000%	0.000%	0.004%	0.004%	0.000%	0.000%	0.004%

2009 NEL Calculations and Allocations to Load Serving Entities (or Designee) for the 2011 NERC and RE Assessments

Data Year	Regional Entity	ID	Entity	Country	Total NEL (MWh)	U.S. NEL	Canada NEL	Mexico NEL	% of RE total	US Total	Canada Total	Mexico Total	% of ERO Total	US Total	Canada Total	Mexico Total	% of ERO - US Only
2009	RFC	1114	City of Portland	U.S.	35,348	35,348			0.004%	0.004%	0.000%	0.000%	0.001%	0.001%	0.000%	0.000%	0.001%
2009	RFC	1116	City of St. Louis	U.S.	38,926	38,926			0.004%	0.004%	0.000%	0.000%	0.001%	0.001%	0.000%	0.000%	0.001%
2009	RFC	1117	City of Williamstown KY	U.S.	53,724	53,724			0.006%	0.006%	0.000%	0.000%	0.001%	0.001%	0.000%	0.000%	0.001%
2009	RFC	1118	City of Wyandotte	U.S.	65,318	65,318			0.007%	0.007%	0.000%	0.000%	0.001%	0.001%	0.000%	0.000%	0.002%
2009	RFC	1119	Cleveland Public Power	U.S.	1,627,018	1,627,018			0.183%	0.183%	0.000%	0.000%	0.037%	0.037%	0.000%	0.000%	0.042%
2009	RFC	1120	Cloverland Electric Cooperative	U.S.	235,276	235,276			0.026%	0.026%	0.000%	0.000%	0.005%	0.005%	0.000%	0.000%	0.006%
2009	RFC	1132	Cloverland (f.k.a. - Edison Sault Electric t	U.S.	663,187	663,187			0.075%	0.075%	0.000%	0.000%	0.015%	0.015%	0.000%	0.000%	0.017%
2009	RFC	1122	CMS ERM Michigan LLC	U.S.	128,464	128,464			0.014%	0.014%	0.000%	0.000%	0.003%	0.003%	0.000%	0.000%	0.003%
2009	RFC	1124	Constellation New Energy (MECS-CONS	U.S.	482,603	482,603			0.054%	0.054%	0.000%	0.000%	0.011%	0.011%	0.000%	0.000%	0.013%
2009	RFC	1123	Constellation New Energy (MECS-DET)	U.S.	690,597	690,597			0.078%	0.078%	0.000%	0.000%	0.016%	0.016%	0.000%	0.000%	0.018%
2009	RFC	1534	Constellation New Energy Inc. (ATSI)	U.S.	200,687	200,687			0.023%	0.023%	0.000%	0.000%	0.005%	0.005%	0.000%	0.000%	0.005%
2009	RFC	1125	Constellation New Energy Inc. (DUKE-C	U.S.	119,254	119,254			0.013%	0.013%	0.000%	0.000%	0.003%	0.003%	0.000%	0.000%	0.003%
2009	RFC	1126	Consumers Energy Company	U.S.	33,114,934	33,114,934			3.724%	3.724%	0.000%	0.000%	0.756%	0.756%	0.000%	0.000%	0.859%
2009	RFC	1128	Detroit Edison Company	U.S.	45,446,273	45,446,273			5.111%	5.111%	0.000%	0.000%	1.037%	1.037%	0.000%	0.000%	1.179%
2009	RFC	1129	Dominion Retail (ATSI)	U.S.	99,718	99,718			0.011%	0.011%	0.000%	0.000%	0.002%	0.002%	0.000%	0.000%	0.003%
2009	RFC	1130	Dominion Retail Inc. (DUKE-CIN)	U.S.	368,282	368,282			0.041%	0.041%	0.000%	0.000%	0.008%	0.008%	0.000%	0.000%	0.010%
2009	RFC	1131	DTE Energy Trading	U.S.	-	-			0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
2009	RFC	1166	Duke Energy Indiana	U.S.	28,478,595	28,478,595			3.203%	3.203%	0.000%	0.000%	0.650%	0.650%	0.000%	0.000%	0.739%
2009	RFC	1179	Duke Energy Kentucky	U.S.	4,179,557	4,179,557			0.470%	0.470%	0.000%	0.000%	0.095%	0.095%	0.000%	0.000%	0.108%
2009	RFC	1178	Duke Energy Ohio	U.S.	17,906,277	17,906,277			2.014%	2.014%	0.000%	0.000%	0.409%	0.409%	0.000%	0.000%	0.465%
2009	RFC	1608	Duke Energy Retail Sales (ATSI)	U.S.	1,839,714	1,839,714			0.207%	0.207%	0.000%	0.000%	0.042%	0.042%	0.000%	0.000%	0.048%
2009	RFC	1609	Duke Energy Retail Sales (DUKE-CIN)	U.S.	848,751	848,751			0.095%	0.095%	0.000%	0.000%	0.019%	0.019%	0.000%	0.000%	0.022%
2009	RFC	1563	Energy International Power Marketing	U.S.	-	-			0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
2009	RFC	1135	Ferdinand Municipal Light & Water	U.S.	40,256	40,256			0.005%	0.005%	0.000%	0.000%	0.001%	0.001%	0.000%	0.000%	0.001%
2009	RFC	1138	FirstEnergy	U.S.	43,191,337	43,191,337			4.857%	4.857%	0.000%	0.000%	0.986%	0.986%	0.000%	0.000%	1.121%
2009	RFC	1137	FirstEnergy Solutions (ATSI)	U.S.	22,427,704	22,427,704			2.522%	2.522%	0.000%	0.000%	0.512%	0.512%	0.000%	0.000%	0.582%
2009	RFC	1549	FirstEnergy Solutions (MECS-DET)	U.S.	21,893	21,893			0.002%	0.002%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.001%
2009	RFC	1550	FirstEnergy Solutions (DUKE-CIN)	U.S.	342,118	342,118			0.038%	0.038%	0.000%	0.000%	0.008%	0.008%	0.000%	0.000%	0.009%
2009	RFC	1610	Gexa Energy	U.S.	1,516,838	1,516,838			0.171%	0.171%	0.000%	0.000%	0.035%	0.035%	0.000%	0.000%	0.039%
2009	RFC	1141	Georgetown	U.S.	55,100	55,100			0.006%	0.006%	0.000%	0.000%	0.001%	0.001%	0.000%	0.000%	0.001%
2009	RFC	1611	Glacial Energy (ATSI)	U.S.	995	995			0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
2009	RFC	1612	Glacial Energy (MECS-DET)	U.S.	26,879	26,879			0.003%	0.003%	0.000%	0.000%	0.001%	0.001%	0.000%	0.000%	0.001%
2009	RFC	1143	Hamersville	U.S.	5,551	5,551			0.001%	0.001%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
2009	RFC	1144	Holland Board of Public Works	U.S.	728,971	728,971			0.082%	0.082%	0.000%	0.000%	0.017%	0.017%	0.000%	0.000%	0.019%
2009	RFC	1145	Hoosier Energy	U.S.	6,728,076	6,728,076			0.757%	0.757%	0.000%	0.000%	0.154%	0.154%	0.000%	0.000%	0.175%
2009	RFC	1148	Indiana Municipal Power Agency (DUKE	U.S.	2,866,995	2,866,995			0.322%	0.322%	0.000%	0.000%	0.065%	0.065%	0.000%	0.000%	0.074%
2009	RFC	1485	Indiana Municipal Power Agency (NIPSC	U.S.	378,081	378,081			0.043%	0.043%	0.000%	0.000%	0.009%	0.009%	0.000%	0.000%	0.010%
2009	RFC	1486	Indiana Municipal Power Agency (SIGE)	U.S.	558,622	558,622			0.063%	0.063%	0.000%	0.000%	0.013%	0.013%	0.000%	0.000%	0.014%
2009	RFC	1149	Indianapolis Power & Light Co.	U.S.	14,945,667	14,945,667			1.681%	1.681%	0.000%	0.000%	0.341%	0.341%	0.000%	0.000%	0.388%
2009	RFC	1613	Integrus Energy Services (ATSI)	U.S.	37	37			0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
2009	RFC	1552	Integrus Energy Services (DUKE-CIN)	U.S.	18,764	18,764			0.002%	0.002%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
2009	RFC	1553	Integrus Energy Services (MECS-CONS)	U.S.	243,027	243,027			0.027%	0.027%	0.000%	0.000%	0.006%	0.006%	0.000%	0.000%	0.006%
2009	RFC	1554	Integrus Energy Services (MECS-DET)	U.S.	243,915	243,915			0.027%	0.027%	0.000%	0.000%	0.006%	0.006%	0.000%	0.000%	0.006%
2009	RFC	1614	Just Energy (MECS-DET)	U.S.	26,163	26,163			0.003%	0.003%	0.000%	0.000%	0.001%	0.001%	0.000%	0.000%	0.001%
2009	RFC	1151	Lebanon	U.S.	275,975	275,975			0.031%	0.031%	0.000%	0.000%	0.006%	0.006%	0.000%	0.000%	0.007%
2009	RFC	1154	Michigan Public Power Agency	U.S.	1,163,653	1,163,653			0.131%	0.131%	0.000%	0.000%	0.027%	0.027%	0.000%	0.000%	0.030%
2009	RFC	1155	Michigan South Central Power Agency	U.S.	544,399	544,399			0.061%	0.061%	0.000%	0.000%	0.012%	0.012%	0.000%	0.000%	0.014%
2009	RFC	1158	MidAmerican Energy Company Retail	U.S.	28,857	28,857			0.003%	0.003%	0.000%	0.000%	0.001%	0.001%	0.000%	0.000%	0.001%
2009	RFC	1163	Northern Indiana Public Service Co.	U.S.	15,734,157	15,734,157			1.769%	1.769%	0.000%	0.000%	0.359%	0.359%	0.000%	0.000%	0.408%
2009	RFC	1164	Ontonagon County Rural Electrification A	U.S.	27,535	27,535			0.003%	0.003%	0.000%	0.000%	0.001%	0.001%	0.000%	0.000%	0.001%
2009	RFC	1555	Penn Power	U.S.	2,190,410	2,190,410			0.246%	0.246%	0.000%	0.000%	0.050%	0.050%	0.000%	0.000%	0.057%

2009 NEL Calculations and Allocations to Load Serving Entities (or Designee) for the 2011 NERC and RE Assessments

Data Year	Regional Entity	ID	Entity	Country	Total NEL (MWh)	U.S. NEL	Canada NEL	Mexico NEL	% of RE total	US Total	Canada Total	Mexico Total	% of ERO Total	US Total	Canada Total	Mexico Total	% of ERO - US Only
2009	RFC	1265	PJM Interconnection, LLC	U.S.	587,065,005	587,065,005			66.021%	66.021%	0.000%	0.000%	13.397%	13.397%	0.000%	0.000%	15.234%
2009	RFC	1167	Public Lighting Department of Detroit	U.S.	-	-			0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
2009	RFC	1170	Ripley	U.S.	18,821	18,821			0.002%	0.002%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
2009	RFC	1580	Sempra Energy Solutions (ATSI)	U.S.	406,701	406,701			0.046%	0.046%	0.000%	0.000%	0.009%	0.009%	0.000%	0.000%	0.011%
2009	RFC	1615	Sempra Energy Solutions (DUKE-CIN)	U.S.	596	596			0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
2009	RFC	1172	Sempra Energy Solutions (MECS-CONS)	U.S.	553,674	553,674			0.062%	0.062%	0.000%	0.000%	0.013%	0.013%	0.000%	0.000%	0.014%
2009	RFC	1171	Sempra Energy Solutions (MECS-DET)	U.S.	269,482	269,482			0.030%	0.030%	0.000%	0.000%	0.006%	0.006%	0.000%	0.000%	0.007%
2009	RFC	1173	Direct Energy (fka:Strategic Energy) (AT)	U.S.	290,200	290,200			0.033%	0.033%	0.000%	0.000%	0.007%	0.007%	0.000%	0.000%	0.008%
2009	RFC	1175	Direct Energy (fka:Strategic Energy) LLC	U.S.	257,529	257,529			0.029%	0.029%	0.000%	0.000%	0.006%	0.006%	0.000%	0.000%	0.007%
2009	RFC	1176	Direct Energy (fka:Strategic Energy,LLC)	U.S.	11,451	11,451			0.001%	0.001%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
2009	RFC	1174	Direct Energy (fka:Strategic Energy,LLC)	U.S.	258,051	258,051			0.029%	0.029%	0.000%	0.000%	0.006%	0.006%	0.000%	0.000%	0.007%
2009	RFC	1616	Smart Paper Holdings	U.S.	6,415	6,415			0.001%	0.001%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
2009	RFC	1581	Spartan Renewable Energy	U.S.	63,911	63,911			0.007%	0.007%	0.000%	0.000%	0.001%	0.001%	0.000%	0.000%	0.002%
2009	RFC	1180	Thumb Electric Cooperative	U.S.	161,500	161,500			0.018%	0.018%	0.000%	0.000%	0.004%	0.004%	0.000%	0.000%	0.004%
2009	RFC	1181	Vectren Energy Delivery of IN	U.S.	5,316,181	5,316,181			0.598%	0.598%	0.000%	0.000%	0.121%	0.121%	0.000%	0.000%	0.138%
2009	RFC	1099	Village of Blanchester	U.S.	77,466	77,466			0.009%	0.009%	0.000%	0.000%	0.002%	0.002%	0.000%	0.000%	0.002%
2009	RFC	1183	Village of Sebawaing	U.S.	43,887	43,887			0.005%	0.005%	0.000%	0.000%	0.001%	0.001%	0.000%	0.000%	0.001%
2009	RFC	1184	Wabash Valley Power Association Inc. (I	U.S.	2,553,759	2,553,759			0.287%	0.287%	0.000%	0.000%	0.058%	0.058%	0.000%	0.000%	0.066%
2009	RFC	1487	Wabash Valley Power Association Inc. (I	U.S.	167,432	167,432			0.019%	0.019%	0.000%	0.000%	0.004%	0.004%	0.000%	0.000%	0.004%
2009	RFC	1488	Wabash Valley Power Association Inc.(H	U.S.	1,559,059	1,559,059			0.175%	0.175%	0.000%	0.000%	0.036%	0.036%	0.000%	0.000%	0.040%
2009	RFC	1185	Wisconsin Electric Power Co.	U.S.	27,349,954	27,349,954			3.076%	3.076%	0.000%	0.000%	0.624%	0.624%	0.000%	0.000%	0.710%
2009	RFC	1189	Wolverine Power Marketing Cooperative	U.S.	990,947	990,947			0.111%	0.111%	0.000%	0.000%	0.023%	0.023%	0.000%	0.000%	0.026%
2009	RFC	1191	Wolverine Power Supply Cooperative	U.S.	2,439,221	2,439,221			0.274%	0.274%	0.000%	0.000%	0.056%	0.056%	0.000%	0.000%	0.063%
2009	RFC	1190	Wolverine Power Marketing Cooperative	U.S.	100,472	100,472			0.011%	0.011%	0.000%	0.000%	0.002%	0.002%	0.000%	0.000%	0.003%
2009	RFC	1194	Zelienople	U.S.	31,679	31,679			0.004%	0.004%	0.000%	0.000%	0.001%	0.001%	0.000%	0.000%	0.001%
TOTAL RELIABILITYFIRST					889,208,026	889,208,026	-	-	100.000%	100.000%	0.000%	0.000%	20.292%	20.292%	0.000%	0.000%	23.074%
2009	SERC	1267	Alabama Municipal Electric Authority	U.S.	3,559,000	3,559,000	-	-	0.359%	0.359%	0.000%	0.000%	0.081%	0.081%	0.000%	0.000%	0.092%
2009	SERC	1268	Alabama Power Company	U.S.	54,240,646	54,240,646	-	-	5.478%	5.478%	0.000%	0.000%	1.238%	1.238%	0.000%	0.000%	1.407%
2009	SERC	1269	Ameren - Illinois	U.S.	40,541,000	40,541,000	-	-	4.095%	4.095%	0.000%	0.000%	0.925%	0.925%	0.000%	0.000%	1.052%
2009	SERC	1271	Ameren - Missouri	U.S.	39,457,000	39,457,000	-	-	3.985%	3.985%	0.000%	0.000%	0.900%	0.900%	0.000%	0.000%	1.024%
2009	SERC	1272	APGI - Yadkin Division	U.S.	32,323	32,323	-	-	0.003%	0.003%	0.000%	0.000%	0.001%	0.001%	0.000%	0.000%	0.001%
2009	SERC	1273	Associated Electric Cooperative Inc.	U.S.	18,989,990	18,989,990	-	-	1.918%	1.918%	0.000%	0.000%	0.433%	0.433%	0.000%	0.000%	0.493%
2009	SERC	1582	Beauregard Electric Cooperative, Inc.	U.S.	1,037,924	1,037,924	-	-	0.105%	0.105%	0.000%	0.000%	0.024%	0.024%	0.000%	0.000%	0.027%
2009	SERC	1462	Benton Utility District	U.S.	264,000	264,000	-	-	0.027%	0.027%	0.000%	0.000%	0.006%	0.006%	0.000%	0.000%	0.007%
2009	SERC	1274	Big Rivers Electric Corporation	U.S.	9,942,616	9,942,616	-	-	1.004%	1.004%	0.000%	0.000%	0.227%	0.227%	0.000%	0.000%	0.258%
2009	SERC	1275	Black Warrior EMC	U.S.	416,591	416,591	-	-	0.042%	0.042%	0.000%	0.000%	0.010%	0.010%	0.000%	0.000%	0.011%
2009	SERC	1276	Blue Ridge EMC	U.S.	1,148,758	1,148,758	-	-	0.116%	0.116%	0.000%	0.000%	0.026%	0.026%	0.000%	0.000%	0.030%
2009	SERC	1463	Canton, MS	U.S.	122,623	122,623	-	-	0.012%	0.012%	0.000%	0.000%	0.003%	0.003%	0.000%	0.000%	0.003%
2009	SERC	1277	Central Electric Power Cooperative Inc.	U.S.	15,452,673	15,452,673	-	-	1.561%	1.561%	0.000%	0.000%	0.353%	0.353%	0.000%	0.000%	0.401%
2009	SERC	1278	City of Blountstown FL	U.S.	39,922	39,922	-	-	0.004%	0.004%	0.000%	0.000%	0.001%	0.001%	0.000%	0.000%	0.001%
2009	SERC	1279	City of Camden SC	U.S.	204,558	204,558	-	-	0.021%	0.021%	0.000%	0.000%	0.005%	0.005%	0.000%	0.000%	0.005%
2009	SERC	1280	City of Collins MS	U.S.	44,918	44,918	-	-	0.005%	0.005%	0.000%	0.000%	0.001%	0.001%	0.000%	0.000%	0.001%
2009	SERC	1281	City of Columbia MO	U.S.	1,373,285	1,373,285	-	-	0.139%	0.139%	0.000%	0.000%	0.031%	0.031%	0.000%	0.000%	0.036%
2009	SERC	1282	City of Conway AR (Conway Corporation	U.S.	960,000	960,000	-	-	0.097%	0.097%	0.000%	0.000%	0.022%	0.022%	0.000%	0.000%	0.025%
2009	SERC	1284	City of Evergreen AL	U.S.	61,935	61,935	-	-	0.006%	0.006%	0.000%	0.000%	0.001%	0.001%	0.000%	0.000%	0.002%
2009	SERC	1285	City of Hampton GA	U.S.	24,623	24,623	-	-	0.002%	0.002%	0.000%	0.000%	0.001%	0.001%	0.000%	0.000%	0.001%
2009	SERC	1286	City of Hartford AL	U.S.	31,250	31,250	-	-	0.003%	0.003%	0.000%	0.000%	0.001%	0.001%	0.000%	0.000%	0.001%
2009	SERC	1287	City of Henderson (KY) Municipal Power	U.S.	658,517	658,517	-	-	0.067%	0.067%	0.000%	0.000%	0.015%	0.015%	0.000%	0.000%	0.017%
2009	SERC	1288	City of North Little Rock AR (DENL)	U.S.	964,267	964,267	-	-	0.097%	0.097%	0.000%	0.000%	0.022%	0.022%	0.000%	0.000%	0.025%
2009	SERC	1289	City of Orangeburg SC Department of Pu	U.S.	925,786	925,786	-	-	0.094%	0.094%	0.000%	0.000%	0.021%	0.021%	0.000%	0.000%	0.024%

2009 NEL Calculations and Allocations to Load Serving Entities (or Designee) for the 2011 NERC and RE Assessments

Data Year	Regional Entity	ID	Entity	Country	Total NEL (MWh)	U.S. NEL	Canada NEL	Mexico NEL	% of RE total	US Total	Canada Total	Mexico Total	% of ERO Total	US Total	Canada Total	Mexico Total	% of ERO - US Only
2009	SERC	1290	City of Robertsdale AL	U.S.	84,444	84,444	-	-	0.009%	0.009%	0.000%	0.000%	0.002%	0.002%	0.000%	0.000%	0.002%
2009	SERC	1291	City of Ruston LA (DERS)	U.S.	270,000	270,000	-	-	0.027%	0.027%	0.000%	0.000%	0.006%	0.006%	0.000%	0.000%	0.007%
2009	SERC	1292	City of Seneca SC	U.S.	152,933	152,933	-	-	0.015%	0.015%	0.000%	0.000%	0.003%	0.003%	0.000%	0.000%	0.004%
2009	SERC	1115	City of Springfield (CWLP)	U.S.	1,814,887	1,814,887	-	-	0.183%	0.183%	0.000%	0.000%	0.041%	0.041%	0.000%	0.000%	0.047%
2009	SERC	1465	City of Thayer, MO	U.S.	15,747	15,747	-	-	0.002%	0.002%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
2009	SERC	1293	City of Troy AL	U.S.	369,623	369,623	-	-	0.037%	0.037%	0.000%	0.000%	0.008%	0.008%	0.000%	0.000%	0.010%
2009	SERC	1294	City of West Memphis AR (West Memphi	U.S.	397,000	397,000	-	-	0.040%	0.040%	0.000%	0.000%	0.009%	0.009%	0.000%	0.000%	0.010%
2009	SERC	1583	Claiborne Electric Cooperative, Inc.	U.S.	607,420	607,420	-	-	0.061%	0.061%	0.000%	0.000%	0.014%	0.014%	0.000%	0.000%	0.016%
2009	SERC	1584	Concordia Electric Cooperative, Inc.	U.S.	247,597	247,597	-	-	0.025%	0.025%	0.000%	0.000%	0.006%	0.006%	0.000%	0.000%	0.006%
2009	SERC	1283	Dalton Utilities	U.S.	1,474,100	1,474,100	-	-	0.149%	0.149%	0.000%	0.000%	0.034%	0.034%	0.000%	0.000%	0.038%
2009	SERC	1585	Dixie Electric Membership Corporation	U.S.	2,218,178	2,218,178	-	-	0.224%	0.224%	0.000%	0.000%	0.051%	0.051%	0.000%	0.000%	0.058%
2009	SERC	1295	Dominion Virginia Power	U.S.	83,295,482	83,295,482	-	-	8.413%	8.413%	0.000%	0.000%	1.901%	1.901%	0.000%	0.000%	2.161%
2009	SERC	1296	Duke Energy Carolinas, LLC	U.S.	80,858,917	80,858,917	-	-	8.167%	8.167%	0.000%	0.000%	1.845%	1.845%	0.000%	0.000%	2.098%
2009	SERC	1466	Durant, MS	U.S.	30,847	30,847	-	-	0.003%	0.003%	0.000%	0.000%	0.001%	0.001%	0.000%	0.000%	0.001%
2009	SERC	1478	E.ON U.S. Services Inc.	U.S.	33,599,715	33,599,715	-	-	3.394%	3.394%	0.000%	0.000%	0.767%	0.767%	0.000%	0.000%	0.872%
2009	SERC	1297	East Kentucky Power Cooperative	U.S.	12,370,308	12,370,308	-	-	1.249%	1.249%	0.000%	0.000%	0.282%	0.282%	0.000%	0.000%	0.321%
2009	SERC	1298	East Mississippi Electric Power Associati	U.S.	440,457	440,457	-	-	0.044%	0.044%	0.000%	0.000%	0.010%	0.010%	0.000%	0.000%	0.011%
2009	SERC	1299	Electric Energy Inc.	U.S.	1,325,303	1,325,303	-	-	0.134%	0.134%	0.000%	0.000%	0.030%	0.030%	0.000%	0.000%	0.034%
2009	SERC	1300	EnergyUnited EMC	U.S.	2,399,806	2,399,806	-	-	0.242%	0.242%	0.000%	0.000%	0.055%	0.055%	0.000%	0.000%	0.062%
2009	SERC	1301	Entergy	U.S.	109,154,423	109,154,423	-	-	11.025%	11.025%	0.000%	0.000%	2.491%	2.491%	0.000%	0.000%	2.832%
2009	SERC	1302	Fayetteville (NC) Public Works Commiss	U.S.	2,235,172	2,235,172	-	-	0.226%	0.226%	0.000%	0.000%	0.051%	0.051%	0.000%	0.000%	0.058%
2009	SERC	1303	Florida Public Utilities (FL Panhandle Loc	U.S.	349,248	349,248	-	-	0.035%	0.035%	0.000%	0.000%	0.008%	0.008%	0.000%	0.000%	0.009%
2009	SERC	1304	French Broad EMC	U.S.	516,495	516,495	-	-	0.052%	0.052%	0.000%	0.000%	0.012%	0.012%	0.000%	0.000%	0.013%
2009	SERC	1305	Georgia Power Company	U.S.	85,362,934	85,362,934	-	-	8.622%	8.622%	0.000%	0.000%	1.948%	1.948%	0.000%	0.000%	2.215%
2009	SERC	1306	Georgia System Optpns Corporation	U.S.	37,896,252	37,896,252	-	-	3.828%	3.828%	0.000%	0.000%	0.865%	0.865%	0.000%	0.000%	0.983%
2009	SERC	1479	Greenwood (MS) Utilities Commission	U.S.	282,158	282,158	-	-	0.028%	0.028%	0.000%	0.000%	0.006%	0.006%	0.000%	0.000%	0.007%
2009	SERC	1307	Greenwood (SC) Commissioners of Publ	U.S.	331,443	331,443	-	-	0.033%	0.033%	0.000%	0.000%	0.008%	0.008%	0.000%	0.000%	0.009%
2009	SERC	1308	Gulf Power Company	U.S.	11,666,310	11,666,310	-	-	1.178%	1.178%	0.000%	0.000%	0.266%	0.266%	0.000%	0.000%	0.303%
2009	SERC	1586	Haywood EMC	U.S.	304,431	304,431	-	-	0.031%	0.031%	0.000%	0.000%	0.007%	0.007%	0.000%	0.000%	0.008%
2009	SERC	1309	Illinois Municipal Electric Agency	U.S.	1,809,000	1,809,000	-	-	0.183%	0.183%	0.000%	0.000%	0.041%	0.041%	0.000%	0.000%	0.047%
2009	SERC	1480	Itta Bena, MS	U.S.	15,923	15,923	-	-	0.002%	0.002%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
2009	SERC	1587	Jefferson Davis Electric Cooperative, Inc.	U.S.	225,240	225,240	-	-	0.023%	0.023%	0.000%	0.000%	0.005%	0.005%	0.000%	0.000%	0.006%
2009	SERC	1617	Kentucky Municipal Power	U.S.	722,754	722,754	-	-	0.073%	0.073%	0.000%	0.000%	0.016%	0.016%	0.000%	0.000%	0.019%
2009	SERC	1481	Kosciusko, MS	U.S.	73,023	73,023	-	-	0.007%	0.007%	0.000%	0.000%	0.002%	0.002%	0.000%	0.000%	0.002%
2009	SERC	1482	Leland, MS	U.S.	32,161	32,161	-	-	0.003%	0.003%	0.000%	0.000%	0.001%	0.001%	0.000%	0.000%	0.001%
2009	SERC	1313	McCormick Commission of Public Works	U.S.	22,872	22,872	-	-	0.002%	0.002%	0.000%	0.000%	0.001%	0.001%	0.000%	0.000%	0.001%
2009	SERC	1314	Mississippi Power Company	U.S.	9,972,238	9,972,238	-	-	1.007%	1.007%	0.000%	0.000%	0.228%	0.228%	0.000%	0.000%	0.259%
2009	SERC	1315	Municipal Electric Authority of Georgia	U.S.	10,570,000	10,570,000	-	-	1.068%	1.068%	0.000%	0.000%	0.241%	0.241%	0.000%	0.000%	0.274%
2009	SERC	1316	N.C. Electric Membership Corp.	U.S.	12,344,600	12,344,600	-	-	1.247%	1.247%	0.000%	0.000%	0.282%	0.282%	0.000%	0.000%	0.320%
2009	SERC	1317	North Carolina Eastern Municipal Power	U.S.	7,394,674	7,394,674	-	-	0.747%	0.747%	0.000%	0.000%	0.169%	0.169%	0.000%	0.000%	0.192%
2009	SERC	1318	North Carolina Municipal Power Agency	U.S.	4,609,442	4,609,442	-	-	0.466%	0.466%	0.000%	0.000%	0.105%	0.105%	0.000%	0.000%	0.120%
2009	SERC	1588	Northeast Louisiana Power Cooperative,	U.S.	277,796	277,796	-	-	0.028%	0.028%	0.000%	0.000%	0.006%	0.006%	0.000%	0.000%	0.007%
2009	SERC	1574	Northern Virginia Electric Cooperative	U.S.	3,496,304	3,496,304	-	-	0.353%	0.353%	0.000%	0.000%	0.080%	0.080%	0.000%	0.000%	0.091%
2009	SERC	1319	Old Dominion Electric Cooperative	U.S.	5,582,434	5,582,434	-	-	0.564%	0.564%	0.000%	0.000%	0.127%	0.127%	0.000%	0.000%	0.145%
2009	SERC	1618	Osceola (Arkansas) Municipal Light and I	U.S.	268,928	268,928	-	-	0.027%	0.027%	0.000%	0.000%	0.006%	0.006%	0.000%	0.000%	0.007%
2009	SERC	1320	Owensboro (KY) Municipal Utilities	U.S.	879,243	879,243	-	-	0.089%	0.089%	0.000%	0.000%	0.020%	0.020%	0.000%	0.000%	0.023%
2009	SERC	1321	Piedmont EMC in Duke and Progress Arc	U.S.	506,350	506,350	-	-	0.051%	0.051%	0.000%	0.000%	0.012%	0.012%	0.000%	0.000%	0.013%
2009	SERC	1323	Piedmont Municipal Power Agency (PMP	U.S.	2,286,624	2,286,624	-	-	0.231%	0.231%	0.000%	0.000%	0.052%	0.052%	0.000%	0.000%	0.059%
2009	SERC	1589	Pointe Coupee Electric Memb. Corp.	U.S.	265,031	265,031	-	-	0.027%	0.027%	0.000%	0.000%	0.006%	0.006%	0.000%	0.000%	0.007%
2009	SERC	1266	PowerSouth Energy	U.S.	8,278,739	8,278,739	-	-	0.836%	0.836%	0.000%	0.000%	0.189%	0.189%	0.000%	0.000%	2.215%
2009	SERC	1330	Prairie Power, Inc.	U.S.	1,540,294	1,540,294	-	-	0.156%	0.156%	0.000%	0.000%	0.035%	0.035%	0.000%	0.000%	0.040%

2009 NEL Calculations and Allocations to Load Serving Entities (or Designee) for the 2011 NERC and RE Assessments

Data Year	Regional Entity	ID	Entity	Country	Total NEL (MWh)	U.S. NEL	Canada NEL	Mexico NEL	% of RE total	US Total	Canada Total	Mexico Total	% of ERO Total	US Total	Canada Total	Mexico Total	% of ERO - US Only
2009	SERC	1324	Progress Energy Carolinas	U.S.	45,650,000	45,650,000	-	-	4.611%	4.611%	0.000%	0.000%	1.042%	1.042%	0.000%	0.000%	1.185%
2009	SERC	1325	Rutherford EMC	U.S.	1,265,243	1,265,243	-	-	0.128%	0.128%	0.000%	0.000%	0.029%	0.029%	0.000%	0.000%	0.033%
2009	SERC	1326	South Carolina Electric & Gas Company	U.S.	22,243,734	22,243,734	-	-	2.247%	2.247%	0.000%	0.000%	0.508%	0.508%	0.000%	0.000%	0.577%
2009	SERC	1327	South Carolina Public Service Authority	U.S.	7,156,752	7,156,752	-	-	0.723%	0.723%	0.000%	0.000%	0.163%	0.163%	0.000%	0.000%	0.186%
2009	SERC	1590	South Louisiana Electric Cooperative Ass	U.S.	604,198	604,198	-	-	0.061%	0.061%	0.000%	0.000%	0.014%	0.014%	0.000%	0.000%	0.016%
2009	SERC	1328	South Mississippi Electric Power Associa	U.S.	9,915,186	9,915,186	-	-	1.001%	1.001%	0.000%	0.000%	0.226%	0.226%	0.000%	0.000%	0.257%
2009	SERC	1329	Southern Illinois Power Cooperative	U.S.	1,481,489	1,481,489	-	-	0.150%	0.150%	0.000%	0.000%	0.034%	0.034%	0.000%	0.000%	0.038%
2009	SERC	1591	Southwest Louisiana Electric Membershij	U.S.	2,426,653	2,426,653	-	-	0.245%	0.245%	0.000%	0.000%	0.055%	0.055%	0.000%	0.000%	0.063%
2009	SERC	1619	Southwestern Electric Cooperative, Inc.	U.S.	412,888	412,888	-	-	0.042%	0.042%	0.000%	0.000%	0.009%	0.009%	0.000%	0.000%	0.011%
2009	SERC	1331	Tennessee Valley Authority	U.S.	165,493,867	165,493,867	-	-	16.715%	16.715%	0.000%	0.000%	3.777%	3.777%	0.000%	0.000%	4.294%
2009	SERC	1332	Tombigbee Electric Cooperative Inc.	U.S.	130,935	130,935	-	-	0.013%	0.013%	0.000%	0.000%	0.003%	0.003%	0.000%	0.000%	0.003%
2009	SERC	1592	Town of Black Creek, N.C.	U.S.	12,548	12,548	-	-	0.001%	0.001%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
2009	SERC	1593	Town of Lucama, N.C.	U.S.	20,993	20,993	-	-	0.002%	0.002%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.001%
2009	SERC	1594	Town of Sharpsburg, N.C.	U.S.	21,563	21,563	-	-	0.002%	0.002%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.001%
2009	SERC	1595	Town of Stantonsburg, N.C.	U.S.	23,114	23,114	-	-	0.002%	0.002%	0.000%	0.000%	0.001%	0.001%	0.000%	0.000%	0.001%
2009	SERC	1333	Town of Waynesville NC	U.S.	97,321	97,321	-	-	0.010%	0.010%	0.000%	0.000%	0.002%	0.002%	0.000%	0.000%	0.003%
2009	SERC	1334	Town of Winnsboro SC	U.S.	76,097	76,097	-	-	0.008%	0.008%	0.000%	0.000%	0.002%	0.002%	0.000%	0.000%	0.002%
2009	SERC	1335	Town of Winterville NC	U.S.	51,472	51,472	-	-	0.005%	0.005%	0.000%	0.000%	0.001%	0.001%	0.000%	0.000%	0.001%
2009	SERC	1596	Valley Electric Membership Corporation,	U.S.	167,493	167,493	-	-	0.017%	0.017%	0.000%	0.000%	0.004%	0.004%	0.000%	0.000%	0.004%
2009	SERC	1597	Washington-St.Tammany Electric Coope	U.S.	1,102,470	1,102,470	-	-	0.111%	0.111%	0.000%	0.000%	0.025%	0.025%	0.000%	0.000%	0.029%
TOTAL SERC					990,093,522	990,093,522	-	-	100.000%	100.000%	0.000%	0.000%	22.594%	22.594%	0.000%	0.000%	25.692%
2009	SPP	1246	American Electric Power	U.S.	34,588,826	34,588,826	-	-	17.037%	17.037%	0.000%	0.000%	0.789%	0.789%	0.000%	0.000%	0.898%
2009	SPP	1435	Arkansas Electric Cooperative Corporati	U.S.	3,746,596	3,746,596	-	-	1.845%	1.845%	0.000%	0.000%	0.085%	0.085%	0.000%	0.000%	0.097%
2009	SPP	1247	Board of Public Utilities (Kansas City K	U.S.	2,375,188	2,375,188	-	-	1.170%	1.170%	0.000%	0.000%	0.054%	0.054%	0.000%	0.000%	0.062%
2009	SPP	1620	Board of Public Utilities, City of McPhers	U.S.	848,000	848,000	-	-	0.418%	0.418%	0.000%	0.000%	0.019%	0.019%	0.000%	0.000%	0.022%
2009	SPP	1468	Cap Rock Energy	U.S.	808,554	808,554	-	-	0.398%	0.398%	0.000%	0.000%	0.018%	0.018%	0.000%	0.000%	0.021%
2009	SPP	1469	Central Valley Electric Cooperative	U.S.	763,611	763,611	-	-	0.376%	0.376%	0.000%	0.000%	0.017%	0.017%	0.000%	0.000%	0.020%
2009	SPP	1556	City of Bentonville	U.S.	562,584	562,584	-	-	0.277%	0.277%	0.000%	0.000%	0.013%	0.013%	0.000%	0.000%	0.015%
2009	SPP	1557	City of Clarksdale, Mississippi	U.S.	170,659	170,659	-	-	0.084%	0.084%	0.000%	0.000%	0.004%	0.004%	0.000%	0.000%	0.004%
2009	SPP	1558	Hope Water & Light (HWL)	U.S.	285,387	285,387	-	-	0.141%	0.141%	0.000%	0.000%	0.007%	0.007%	0.000%	0.000%	0.007%
2009	SPP	1559	City of Minden	U.S.	167,510	167,510	-	-	0.083%	0.083%	0.000%	0.000%	0.004%	0.004%	0.000%	0.000%	0.004%
2009	SPP	1248	Independence Power & Light (Independ	U.S.	1,079,746	1,079,746	-	-	0.532%	0.532%	0.000%	0.000%	0.025%	0.025%	0.000%	0.000%	0.028%
2009	SPP	1436	City Utilities of Springfield, MO	U.S.	3,089,503	3,089,503	-	-	1.522%	1.522%	0.000%	0.000%	0.071%	0.071%	0.000%	0.000%	0.080%
2009	SPP	1249	Cleco Power LLC	U.S.	11,023,655	11,023,655	-	-	5.430%	5.430%	0.000%	0.000%	0.252%	0.252%	0.000%	0.000%	0.286%
2009	SPP	1437	East Texas Electric Coop, Inc.	U.S.	404,646	404,646	-	-	0.199%	0.199%	0.000%	0.000%	0.009%	0.009%	0.000%	0.000%	0.011%
2009	SPP	1250	The Empire District Electric Company	U.S.	5,263,206	5,263,206	-	-	2.592%	2.592%	0.000%	0.000%	0.120%	0.120%	0.000%	0.000%	0.137%
2009	SPP	1470	Farmers' Electric Coop	U.S.	408,444	408,444	-	-	0.201%	0.201%	0.000%	0.000%	0.009%	0.009%	0.000%	0.000%	0.011%
2009	SPP	1438	Golden Spread Electric Coop	U.S.	4,469,314	4,469,314	-	-	2.201%	2.201%	0.000%	0.000%	0.102%	0.102%	0.000%	0.000%	0.116%
2009	SPP	1251	Grand River Dam Authority	U.S.	4,283,825	4,283,825	-	-	2.110%	2.110%	0.000%	0.000%	0.098%	0.098%	0.000%	0.000%	0.111%
2009	SPP	1252	Kansas City Power & Light (KCPL)	U.S.	15,626,676	15,626,676	-	-	7.697%	7.697%	0.000%	0.000%	0.357%	0.357%	0.000%	0.000%	0.405%
2009	SPP	1439	Kansas Electric Power Coop., Inc	U.S.	2,033,860	2,033,860	-	-	1.002%	1.002%	0.000%	0.000%	0.046%	0.046%	0.000%	0.000%	0.053%
2009	SPP	1440	Kansas Municipal Energy Agency (KCPL	U.S.	723,973	723,973	-	-	0.357%	0.357%	0.000%	0.000%	0.017%	0.017%	0.000%	0.000%	0.019%
2009	SPP	1598	KCP&L GMOG (Greater Missouri Opera	U.S.	8,438,719	8,438,719	-	-	4.157%	4.157%	0.000%	0.000%	0.193%	0.193%	0.000%	0.000%	0.219%
2009	SPP	1471	Lafayette Utilities System	U.S.	2,080,238	2,080,238	-	-	1.025%	1.025%	0.000%	0.000%	0.047%	0.047%	0.000%	0.000%	0.054%
2009	SPP	1472	Lea County Electric Coop	U.S.	1,235,427	1,235,427	-	-	0.609%	0.609%	0.000%	0.000%	0.028%	0.028%	0.000%	0.000%	0.032%
2009	SPP	1253	Louisiana Energy & Power Authority (LE	U.S.	-	-	-	-	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
2009	SPP	1441	Midwest Energy Inc.	U.S.	1,604,387	1,604,387	-	-	0.790%	0.790%	0.000%	0.000%	0.037%	0.037%	0.000%	0.000%	0.042%
2009	SPP	1443	Missouri Joint Municipal Electric Utility C	U.S.	2,206,061	2,206,061	-	-	1.087%	1.087%	0.000%	0.000%	0.050%	0.050%	0.000%	0.000%	0.057%
2009	SPP	1442	Northeast Texas Electric Cooperative, Ir	U.S.	3,004,068	3,004,068	-	-	1.480%	1.480%	0.000%	0.000%	0.069%	0.069%	0.000%	0.000%	0.078%
2009	SPP	1255	Oklahoma Gas and Electric Co.	U.S.	27,683,541	27,683,541	-	-	13.636%	13.636%	0.000%	0.000%	0.632%	0.632%	0.000%	0.000%	0.718%

2009 NEL Calculations and Allocations to Load Serving Entities (or Designee) for the 2011 NERC and RE Assessments

Data Year	Regional Entity	ID	Entity	Country	Total NEL (MWh)	U.S. NEL	Canada NEL	Mexico NEL	% of RE total	US Total	Canada Total	Mexico Total	% of ERO Total	US Total	Canada Total	Mexico Total	% of ERO - US Only
2009	SPP	1444	Oklahoma Municipal Power Authority	U.S.	2,504,436	2,504,436			1.234%	1,234%	0.000%	0.000%	0.057%	0.057%	0.000%	0.000%	0.065%
2009	SPP	1561	Public Service Commission of Yazoo Cit	U.S.	119,296	119,296			0.059%	0.059%	0.000%	0.000%	0.003%	0.003%	0.000%	0.000%	0.003%
2009	SPP	1473	Roosevelt County Electric Coop	U.S.	215,763	215,763			0.106%	0.106%	0.000%	0.000%	0.005%	0.005%	0.000%	0.000%	0.006%
2009	SPP	1258	Southwestern Power Administration (SP	U.S.	4,012,124	4,012,124			1.976%	1,976%	0.000%	0.000%	0.092%	0.092%	0.000%	0.000%	0.104%
2009	SPP	1257	Southwestern Public Service Co. (SPS->)	U.S.	19,565,327	19,565,327			9.637%	9,637%	0.000%	0.000%	0.446%	0.446%	0.000%	0.000%	0.508%
2009	SPP	1256	Sunflower Electric Cooperative (SECI)	U.S.	5,339,563	5,339,563			2.630%	2,630%	0.000%	0.000%	0.122%	0.122%	0.000%	0.000%	0.139%
2009	SPP	1445	Tex - La Electric Cooperative of Texas	U.S.	461,705	461,705			0.227%	0,227%	0.000%	0.000%	0.011%	0,011%	0.000%	0.000%	0.012%
2009	SPP	1475	Tri County Electric Coop	U.S.	403,171	403,171			0.199%	0,199%	0.000%	0.000%	0.009%	0,009%	0.000%	0.000%	0.010%
2009	SPP	1260	Westar Energy, Inc.	U.S.	22,114,892	22,114,892			10.893%	10,893%	0.000%	0.000%	0.505%	0,505%	0.000%	0.000%	0.574%
2009	SPP	1259	Western Farmers Electric Cooperative	U.S.	7,397,584	7,397,584			3.644%	3,644%	0.000%	0.000%	0.169%	0,169%	0.000%	0.000%	0.192%
2009	SPP	1501	West Texas Municipal Power Agency	U.S.	1,912,643	1,912,643			0.942%	0,942%	0.000%	0.000%	0.044%	0,044%	0.000%	0.000%	0.050%
			TOTAL SPP		203,022,708	203,022,708	-	-	100.000%	100,000%	0.000%	0.000%	4.633%	4,633%	0.000%	0.000%	5.268%
2009	TRE	1019	ERCOT	U.S.	308,277,759	308,277,759			100.000%	100,000%	0.000%	0.000%	7.035%	7,035%	0.000%	0.000%	8.000%
					308,277,759	308,277,759	-	-	100.000%	100,000%	0.000%	0.000%	7.035%	7,035%	0.000%	0.000%	8.000%
2009	WECC		Alberta Electric System Operator	Canada	56,466,371		56,466,371		6.660%	0.000%	6.660%	0.000%	1.289%	0.000%	1.289%	0.000%	0.000%
2009	WECC		British Columbia Transmission Corporati	Canada	60,572,345		60,572,345		7.144%	0.000%	7.144%	0.000%	1.382%	0.000%	1.382%	0.000%	0.000%
2009	WECC		Comision Federal de Electricidad	Mexico	10,742,586			10,742,586	1.267%	0.000%	0.000%	1.267%	0.245%	0.000%	0.000%	0.245%	0.000%
2009	WECC		Aguila Irrigation District	U.S.	28,359	28,359			0.003%	0,003%	0.000%	0.000%	0.001%	0,001%	0.000%	0.000%	0.001%
2009	WECC		Aha Macav Power Service	U.S.	24,816	24,816			0.003%	0,003%	0.000%	0.000%	0.001%	0,001%	0.000%	0.000%	0.001%
2009	WECC		Ajo Improvement District	U.S.	13,913	13,913			0.002%	0,002%	0.000%	0.000%	0.000%	0,000%	0.000%	0.000%	0.000%
2009	WECC		Ak-Chin	U.S.	30,867	30,867			0.004%	0,004%	0.000%	0.000%	0.001%	0,001%	0.000%	0.000%	0.001%
2009	WECC		ALCOA INC.	U.S.	2,486,614	2,486,614			0.293%	0,293%	0.000%	0.000%	0.057%	0,057%	0.000%	0.000%	0.065%
2009	WECC		Arizona Public Service Company	U.S.	30,712,127	30,712,127			3.622%	3,622%	0.000%	0.000%	0.701%	0,701%	0.000%	0.000%	0.797%
2009	WECC		Arkansas River Power Authority (ARPA)	U.S.	247,200	247,200			0.029%	0,029%	0.000%	0.000%	0.006%	0,006%	0.000%	0.000%	0.006%
2009	WECC		Arlington Valley	U.S.	1,182	1,182			0.000%	0,000%	0.000%	0.000%	0.000%	0,000%	0.000%	0.000%	0.000%
2009	WECC		Avista Adjusted LSE NEL	U.S.	9,533,477	9,533,477			1.124%	1,124%	0.000%	0.000%	0.218%	0,218%	0.000%	0.000%	0.247%
2009	WECC		AVISTA CORPORATION	U.S.	231,202	231,202			0.027%	0,027%	0.000%	0.000%	0.005%	0,005%	0.000%	0.000%	0.006%
2009	WECC		Barrick Gold Strike	U.S.	1,253,963	1,253,963			0.148%	0,148%	0.000%	0.000%	0.029%	0,029%	0.000%	0.000%	0.033%
2009	WECC		Basin Electric Power Cooperative	U.S.	3,061,849	3,061,849			0.361%	0,361%	0.000%	0.000%	0.070%	0,070%	0.000%	0.000%	0.079%
2009	WECC		Basin Electric Power Cooperative (WAU)	U.S.	57,521	57,521			0.007%	0,007%	0.000%	0.000%	0.001%	0,001%	0.000%	0.000%	0.001%
2009	WECC		BENTON REA	U.S.	582,175	582,175			0.069%	0,069%	0.000%	0.000%	0.013%	0,013%	0.000%	0.000%	0.015%
2009	WECC		Big Bend Electric Cooperative, Inc. (Avis	U.S.	186,384	186,384			0.022%	0,022%	0.000%	0.000%	0.004%	0,004%	0.000%	0.000%	0.005%
2009	WECC		BIG BEND ELECTRIC COOPERATIVE,	U.S.	346,608	346,608			0.041%	0,041%	0.000%	0.000%	0.008%	0,008%	0.000%	0.000%	0.009%
2009	WECC		BLACHLY-LANE ELECTRIC COOPERA'	U.S.	142,072	142,072			0.017%	0,017%	0.000%	0.000%	0.003%	0,003%	0.000%	0.000%	0.004%
2009	WECC		Black Hills Power	U.S.	1,862,614	1,862,614			0.220%	0,220%	0.000%	0.000%	0.043%	0,043%	0.000%	0.000%	0.048%
2009	WECC		Black Hills State University (State of SD)	U.S.	17,410	17,410			0.002%	0,002%	0.000%	0.000%	0.000%	0,000%	0.000%	0.000%	0.000%
2009	WECC		Black Hills Wyoming, Inc.	U.S.	4,462,618	4,462,618			0.526%	0,526%	0.000%	0.000%	0.102%	0,102%	0.000%	0.000%	0.116%
2009	WECC		Bonneville Power (NorthWestern Energy)	U.S.	30,943	30,943			0.004%	0,004%	0.000%	0.000%	0.001%	0,001%	0.000%	0.000%	0.001%
2009	WECC		Bonneville Power (PUD No. 2)	U.S.	140,391	140,391			0.017%	0,017%	0.000%	0.000%	0.003%	0,003%	0.000%	0.000%	0.004%
2009	WECC		Bonneville Power Administration (Avista)	U.S.	16,553	16,553			0.002%	0,002%	0.000%	0.000%	0.000%	0,000%	0.000%	0.000%	0.000%
2009	WECC		Bonneville Power Administration	U.S.	3,811,547	3,811,547			0.450%	0,450%	0.000%	0.000%	0.087%	0,087%	0.000%	0.000%	0.099%
2009	WECC		BPA	U.S.	196,080	196,080			0.023%	0,023%	0.000%	0.000%	0.004%	0,004%	0.000%	0.000%	0.005%
2009	WECC		BPA - Power Business Line	U.S.	7,436	7,436			0.001%	0,001%	0.000%	0.000%	0.000%	0,000%	0.000%	0.000%	0.000%
2009	WECC		Buckeye Water Conservation and Draina	U.S.	17,896	17,896			0.002%	0,002%	0.000%	0.000%	0.000%	0,000%	0.000%	0.000%	0.000%
2009	WECC		California ISO	U.S.	231,862,598	231,862,598			27.348%	27,348%	0.000%	0.000%	5.291%	5,291%	0.000%	0.000%	6.017%
2009	WECC		Canby Public Utility Board	U.S.	177,989	177,989			0.021%	0,021%	0.000%	0.000%	0.004%	0,004%	0.000%	0.000%	0.005%
2009	WECC		Central Arizona Water Conservation Dist	U.S.	2,644,146	2,644,146			0.312%	0,312%	0.000%	0.000%	0.060%	0,060%	0.000%	0.000%	0.069%
2009	WECC		CENTRAL ELECTRIC COOPERATIVE, I	U.S.	518,462	518,462			0.061%	0,061%	0.000%	0.000%	0.012%	0,012%	0.000%	0.000%	0.013%
2009	WECC		CENTRAL LINCOLN PUD	U.S.	1,344,562	1,344,562			0.159%	0,159%	0.000%	0.000%	0.031%	0,031%	0.000%	0.000%	0.035%

2009 NEL Calculations and Allocations to Load Serving Entities (or Designee) for the 2011 NERC and RE Assessments

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2009	WECC		Central Montana	U.S.	64,081	64,081			0.008%	0.008%	0.000%	0.000%	0.001%	0.001%	0.000%	0.000%	0.002%
2009	WECC		CENTRAL MONTANA ELECTRIC POWI	U.S.	74,819	74,819			0.009%	0.009%	0.000%	0.000%	0.002%	0.002%	0.000%	0.000%	0.002%
2009	WECC		CITY OF ALBION	U.S.	3,566	3,566			0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
2009	WECC		City of Aztec	U.S.	38,253	38,253			0.005%	0.005%	0.000%	0.000%	0.001%	0.001%	0.000%	0.000%	0.001%
2009	WECC		CITY OF BANDON	U.S.	67,349	67,349			0.008%	0.008%	0.000%	0.000%	0.002%	0.002%	0.000%	0.000%	0.002%
2009	WECC		CITY OF BONNERS FERRY	U.S.	69,860	69,860			0.008%	0.008%	0.000%	0.000%	0.002%	0.002%	0.000%	0.000%	0.002%
2009	WECC		City of Boulder	U.S.	178,086	178,086			0.021%	0.021%	0.000%	0.000%	0.004%	0.004%	0.000%	0.000%	0.005%
2009	WECC		CITY OF BURLEY	U.S.	121,452	121,452			0.014%	0.014%	0.000%	0.000%	0.003%	0.003%	0.000%	0.000%	0.003%
2009	WECC		City of Burlington	U.S.	30,604	30,604			0.004%	0.004%	0.000%	0.000%	0.001%	0.001%	0.000%	0.000%	0.001%
2009	WECC		CITY OF CASCADE LOCKS	U.S.	21,561	21,561			0.003%	0.003%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.001%
2009	WECC		CITY OF CENTRALIA	U.S.	277,160	277,160			0.033%	0.033%	0.000%	0.000%	0.006%	0.006%	0.000%	0.000%	0.007%
2009	WECC		CITY OF CHENEA	U.S.	137,423	137,423			0.016%	0.016%	0.000%	0.000%	0.003%	0.003%	0.000%	0.000%	0.004%
2009	WECC		CITY OF CHEWELAH	U.S.	24,715	24,715			0.003%	0.003%	0.000%	0.000%	0.001%	0.001%	0.000%	0.000%	0.001%
2009	WECC		CITY OF DECLO	U.S.	2,994	2,994			0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
2009	WECC		CITY OF DRAIN	U.S.	17,512	17,512			0.002%	0.002%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
2009	WECC		CITY OF ELLENSBURG	U.S.	222,215	222,215			0.026%	0.026%	0.000%	0.000%	0.005%	0.005%	0.000%	0.000%	0.006%
2009	WECC		City of Fallon	U.S.	116,720	116,720			0.014%	0.014%	0.000%	0.000%	0.003%	0.003%	0.000%	0.000%	0.003%
2009	WECC		CITY OF FOREST GROVE	U.S.	247,662	247,662			0.029%	0.029%	0.000%	0.000%	0.006%	0.006%	0.000%	0.000%	0.006%
2009	WECC		City of Gallup	U.S.	226,966	226,966			0.027%	0.027%	0.000%	0.000%	0.005%	0.005%	0.000%	0.000%	0.006%
2009	WECC		CITY OF HERMISTON DBA HERMISTO	U.S.	114,269	114,269			0.013%	0.013%	0.000%	0.000%	0.003%	0.003%	0.000%	0.000%	0.003%
2009	WECC		CITY OF HEYBURN	U.S.	40,337	40,337			0.005%	0.005%	0.000%	0.000%	0.001%	0.001%	0.000%	0.000%	0.001%
2009	WECC		City of Las Vegas	U.S.	8,659	8,659			0.001%	0.001%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
2009	WECC		CITY OF MCCLEARY	U.S.	34,268	34,268			0.004%	0.004%	0.000%	0.000%	0.001%	0.001%	0.000%	0.000%	0.001%
2009	WECC		CITY OF MCMINNVILLE	U.S.	706,112	706,112			0.083%	0.083%	0.000%	0.000%	0.016%	0.016%	0.000%	0.000%	0.018%
2009	WECC		CITY OF MILTON	U.S.	65,783	65,783			0.008%	0.008%	0.000%	0.000%	0.002%	0.002%	0.000%	0.000%	0.002%
2009	WECC		CITY OF MILTON-FREEWATER	U.S.	119,297	119,297			0.014%	0.014%	0.000%	0.000%	0.003%	0.003%	0.000%	0.000%	0.003%
2009	WECC		CITY OF MINIDOKA	U.S.	1,018	1,018			0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
2009	WECC		CITY OF MONMOUTH	U.S.	72,724	72,724			0.009%	0.009%	0.000%	0.000%	0.002%	0.002%	0.000%	0.000%	0.002%
2009	WECC		City of Needles	U.S.	39,403	39,403			0.005%	0.005%	0.000%	0.000%	0.001%	0.001%	0.000%	0.000%	0.001%
2009	WECC		CITY OF PLUMMER	U.S.	34,893	34,893			0.004%	0.004%	0.000%	0.000%	0.001%	0.001%	0.000%	0.000%	0.001%
2009	WECC		CITY OF PORT ANGELES	U.S.	693,373	693,373			0.082%	0.082%	0.000%	0.000%	0.016%	0.016%	0.000%	0.000%	0.018%
2009	WECC		City of Redding	U.S.	654,682	654,682			0.077%	0.077%	0.000%	0.000%	0.015%	0.015%	0.000%	0.000%	0.017%
2009	WECC		CITY OF RICHLAND	U.S.	871,724	871,724			0.103%	0.103%	0.000%	0.000%	0.020%	0.020%	0.000%	0.000%	0.023%
2009	WECC		City of Roseville	U.S.	1,270,389	1,270,389			0.150%	0.150%	0.000%	0.000%	0.029%	0.029%	0.000%	0.000%	0.033%
2009	WECC		CITY OF RUPERT	U.S.	82,193	82,193			0.010%	0.010%	0.000%	0.000%	0.002%	0.002%	0.000%	0.000%	0.002%
2009	WECC		City of Shasta Lake	U.S.	179,792	179,792			0.021%	0.021%	0.000%	0.000%	0.004%	0.004%	0.000%	0.000%	0.005%
2009	WECC		CITY OF TACOMA DBA TACOMA POW	U.S.	390	390			0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
2009	WECC		CITY OF TROY	U.S.	17,823	17,823			0.002%	0.002%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
2009	WECC		CITY OF WEISER	U.S.	54,987	54,987			0.006%	0.006%	0.000%	0.000%	0.001%	0.001%	0.000%	0.000%	0.001%
2009	WECC		City of Williams	U.S.	39,521	39,521			0.005%	0.005%	0.000%	0.000%	0.001%	0.001%	0.000%	0.000%	0.001%
2009	WECC		CLARK PUBLIC UTILITIES	U.S.	4,584,028	4,584,028			0.541%	0.541%	0.000%	0.000%	0.105%	0.105%	0.000%	0.000%	0.119%
2009	WECC		CLATSKANIE PUD	U.S.	977,280	977,280			0.115%	0.115%	0.000%	0.000%	0.022%	0.022%	0.000%	0.000%	0.025%
2009	WECC		CLEARWATER COOPERATIVE, INC	U.S.	44,378	44,378			0.005%	0.005%	0.000%	0.000%	0.001%	0.001%	0.000%	0.000%	0.001%
2009	WECC		Clearwater Power Company	U.S.	161,703	161,703			0.019%	0.019%	0.000%	0.000%	0.004%	0.004%	0.000%	0.000%	0.004%
2009	WECC		Colorado River Agency-Bureau of Indian	U.S.	3,696	3,696			0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
2009	WECC		Colorado River Commission	U.S.	709,651	709,651			0.084%	0.084%	0.000%	0.000%	0.016%	0.016%	0.000%	0.000%	0.018%
2009	WECC		Colorado Springs Utilities	U.S.	4,207,466	4,207,466			0.496%	0.496%	0.000%	0.000%	0.096%	0.096%	0.000%	0.000%	0.109%
2009	WECC		COLUMBIA BASIN ELECTRIC COOPER	U.S.	106,840	106,840			0.013%	0.013%	0.000%	0.000%	0.002%	0.002%	0.000%	0.000%	0.003%
2009	WECC		COLUMBIA FALLS ALUMINUM COMPA	U.S.	331,800	331,800			0.039%	0.039%	0.000%	0.000%	0.008%	0.008%	0.000%	0.000%	0.009%
2009	WECC		COLUMBIA POWER COOPERATIVE AS	U.S.	22,971	22,971			0.003%	0.003%	0.000%	0.000%	0.001%	0.001%	0.000%	0.000%	0.001%
2009	WECC		COLUMBIA REA	U.S.	304,096	304,096			0.036%	0.036%	0.000%	0.000%	0.007%	0.007%	0.000%	0.000%	0.008%

2009 NEL Calculations and Allocations to Load Serving Entities (or Designee) for the 2011 NERC and RE Assessments

Data Year	Regional Entity	ID	Entity	Country	Total NEL (MWh)	U.S. NEL	Canada NEL	Mexico NEL	% of RE total	US Total	Canada Total	Mexico Total	% of ERO Total	US Total	Canada Total	Mexico Total	% of ERO - US Only
2009	WECC		COLUMBIA RIVER PUD (BPA)	U.S.	169,019	169,019			0.020%	0.020%	0.000%	0.000%	0.004%	0.004%	0.000%	0.000%	0.004%
2009	WECC		Columbia River PUD (PGE)	U.S.	317,154	317,154			0.037%	0.037%	0.000%	0.000%	0.007%	0.007%	0.000%	0.000%	0.008%
2009	WECC		CONSOLIDATED IRRIGATION DISTRICT	U.S.	2,045	2,045			0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
2009	WECC		Constellation New Energy, Inc.	U.S.	29,435	29,435			0.003%	0.003%	0.000%	0.000%	0.001%	0.001%	0.000%	0.000%	0.001%
2009	WECC		CONSUMERS POWER, INC.	U.S.	423,807	423,807			0.050%	0.050%	0.000%	0.000%	0.010%	0.010%	0.000%	0.000%	0.011%
2009	WECC		COOS-CURRY ELECTRIC COOPERATIVE	U.S.	351,531	351,531			0.041%	0.041%	0.000%	0.000%	0.008%	0.008%	0.000%	0.000%	0.009%
2009	WECC		Deseret Generation & Transmission Co-C	U.S.	68,130	68,130			0.008%	0.008%	0.000%	0.000%	0.002%	0.002%	0.000%	0.000%	0.002%
2009	WECC		Douglas - Palasades	U.S.	18,614	18,614			0.002%	0.002%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
2009	WECC		DOUGLAS ELECTRIC COOPERATIVE,	U.S.	96,707	96,707			0.011%	0.011%	0.000%	0.000%	0.002%	0.002%	0.000%	0.000%	0.003%
2009	WECC		EAST END MUTUAL ELECTRIC COMPANY	U.S.	22,472	22,472			0.003%	0.003%	0.000%	0.000%	0.001%	0.001%	0.000%	0.000%	0.001%
2009	WECC		El Paso Electric Company	U.S.	7,706,441	7,706,441			0.909%	0.909%	0.000%	0.000%	0.176%	0.176%	0.000%	0.000%	0.200%
2009	WECC		Electrical District #2	U.S.	180,083	180,083			0.021%	0.021%	0.000%	0.000%	0.004%	0.004%	0.000%	0.000%	0.005%
2009	WECC		Electrical District No. 6 of Pinal County	U.S.	1,201	1,201			0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
2009	WECC		Electrical District No. 7 of Mariopa Count	U.S.	28,187	28,187			0.003%	0.003%	0.000%	0.000%	0.001%	0.001%	0.000%	0.000%	0.001%
2009	WECC		Electrical District No. 8 of Mariopa Count	U.S.	261,863	261,863			0.031%	0.031%	0.000%	0.000%	0.006%	0.006%	0.000%	0.000%	0.007%
2009	WECC		Electrical Districts 1 & 3	U.S.	590,418	590,418			0.070%	0.070%	0.000%	0.000%	0.013%	0.013%	0.000%	0.000%	0.015%
2009	WECC		ELMHURST MUTUAL POWER & LIGHT	U.S.	283,742	283,742			0.033%	0.033%	0.000%	0.000%	0.006%	0.006%	0.000%	0.000%	0.007%
2009	WECC		EMERALD PUD	U.S.	512,119	512,119			0.060%	0.060%	0.000%	0.000%	0.012%	0.012%	0.000%	0.000%	0.013%
2009	WECC		ENERGY NORTHWEST	U.S.	55,126	55,126			0.007%	0.007%	0.000%	0.000%	0.001%	0.001%	0.000%	0.000%	0.001%
2009	WECC		EPCOR Merchant and Capital (US) Inc.	U.S.	71,439	71,439			0.008%	0.008%	0.000%	0.000%	0.002%	0.002%	0.000%	0.000%	0.002%
2009	WECC		EUGENE WATER & ELECTRIC BOARD	U.S.	2,495,519	2,495,519			0.294%	0.294%	0.000%	0.000%	0.057%	0.057%	0.000%	0.000%	0.065%
2009	WECC		FARMERS ELECTRIC COMPANY, LTD.	U.S.	4,497	4,497			0.001%	0.001%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
2009	WECC		Farmington Electric Utility System	U.S.	1,142,281	1,142,281			0.135%	0.135%	0.000%	0.000%	0.026%	0.026%	0.000%	0.000%	0.030%
2009	WECC		FLATHEAD ELECTRIC COOPERATIVE,	U.S.	1,415,965	1,415,965			0.167%	0.167%	0.000%	0.000%	0.032%	0.032%	0.000%	0.000%	0.037%
2009	WECC		Fredonia, Town of	U.S.	1,377	1,377			0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
2009	WECC		GLACIER ELECTRIC COOPERATIVE, II	U.S.	182,011	182,011			0.021%	0.021%	0.000%	0.000%	0.004%	0.004%	0.000%	0.000%	0.005%
2009	WECC		Grand Valley	U.S.	233,232	233,232			0.028%	0.028%	0.000%	0.000%	0.005%	0.005%	0.000%	0.000%	0.006%
2009	WECC		Grant LSE Load	U.S.	3,699,717	3,699,717			0.436%	0.436%	0.000%	0.000%	0.084%	0.084%	0.000%	0.000%	0.096%
2009	WECC		Harney Electric Coop	U.S.	77,228	77,228			0.009%	0.009%	0.000%	0.000%	0.002%	0.002%	0.000%	0.000%	0.002%
2009	WECC		HARNEY ELECTRIC COOPERATIVE, IN	U.S.	115,101	115,101			0.014%	0.014%	0.000%	0.000%	0.003%	0.003%	0.000%	0.000%	0.003%
2009	WECC		Harquahala Valley Power District	U.S.	74,556	74,556			0.009%	0.009%	0.000%	0.000%	0.002%	0.002%	0.000%	0.000%	0.002%
2009	WECC		HERMISTON POWER LLC	U.S.	2,541	2,541			0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
2009	WECC		Holy Cross	U.S.	989,360	989,360			0.117%	0.117%	0.000%	0.000%	0.023%	0.023%	0.000%	0.000%	0.026%
2009	WECC		HOOD RIVER ELECTRIC COOPERATIVE	U.S.	41,058	41,058			0.005%	0.005%	0.000%	0.000%	0.001%	0.001%	0.000%	0.000%	0.001%
2009	WECC		IDAHO COUNTY LIGHT AND POWER C	U.S.	54,661	54,661			0.006%	0.006%	0.000%	0.000%	0.001%	0.001%	0.000%	0.000%	0.001%
2009	WECC		Idaho Power	U.S.	36,171	36,171			0.004%	0.004%	0.000%	0.000%	0.001%	0.001%	0.000%	0.000%	0.001%
2009	WECC		Imperial Irrigation District	U.S.	3,661,803	3,661,803			0.432%	0.432%	0.000%	0.000%	0.084%	0.084%	0.000%	0.000%	0.095%
2009	WECC		Inland Power & Light Co.	U.S.	463,892	463,892			0.055%	0.055%	0.000%	0.000%	0.011%	0.011%	0.000%	0.000%	0.012%
2009	WECC		INLAND POWER AND LIGHT COMPAN	U.S.	497,105	497,105			0.059%	0.059%	0.000%	0.000%	0.011%	0.011%	0.000%	0.000%	0.013%
2009	WECC		IPCO	U.S.	15,227,018	15,227,018			1.796%	1.796%	0.000%	0.000%	0.347%	0.347%	0.000%	0.000%	0.395%
2009	WECC		IREA-Transmission	U.S.	2,026,136	2,026,136			0.239%	0.239%	0.000%	0.000%	0.046%	0.046%	0.000%	0.000%	0.053%
2009	WECC		Kirtland Air Force Base	U.S.	438,095	438,095			0.052%	0.052%	0.000%	0.000%	0.010%	0.010%	0.000%	0.000%	0.011%
2009	WECC		Kootenai Electric Cooperative, Inc.	U.S.	468,897	468,897			0.055%	0.055%	0.000%	0.000%	0.011%	0.011%	0.000%	0.000%	0.012%
2009	WECC		LA Dept. of Water & Power	U.S.	29,215,536	29,215,536			3.446%	3.446%	0.000%	0.000%	0.667%	0.667%	0.000%	0.000%	0.758%
2009	WECC		LAKEVIEW LIGHT & POWER	U.S.	288,504	288,504			0.034%	0.034%	0.000%	0.000%	0.007%	0.007%	0.000%	0.000%	0.007%
2009	WECC		LANE ELECTRIC COOPERATIVE, INC.	U.S.	235,367	235,367			0.028%	0.028%	0.000%	0.000%	0.005%	0.005%	0.000%	0.000%	0.006%
2009	WECC		Las Vegas Valley Water District (SB211)	U.S.	95,444	95,444			0.011%	0.011%	0.000%	0.000%	0.002%	0.002%	0.000%	0.000%	0.002%
2009	WECC		Lincoln County Power District	U.S.	83,457	83,457			0.010%	0.010%	0.000%	0.000%	0.002%	0.002%	0.000%	0.000%	0.002%
2009	WECC		LINCOLN ELECTRIC COOPERATIVE, II	U.S.	124,435	124,435			0.015%	0.015%	0.000%	0.000%	0.003%	0.003%	0.000%	0.000%	0.003%
2009	WECC		Mariopca County Municipal Water Conse	U.S.	48,656	48,656			0.006%	0.006%	0.000%	0.000%	0.001%	0.001%	0.000%	0.000%	0.001%
2009	WECC		McMullen Valley Water Conservation & L	U.S.	58,604	58,604			0.007%	0.007%	0.000%	0.000%	0.001%	0.001%	0.000%	0.000%	0.002%

2009 NEL Calculations and Allocations to Load Serving Entities (or Designee) for the 2011 NERC and RE Assessments

Data Year	Regional Entity	ID	Entity	Country	Total NEL (MWh)	U.S. NEL	Canada NEL	Mexico NEL	% of RE total	US Total	Canada Total	Mexico Total	% of ERO Total	US Total	Canada Total	Mexico Total	% of ERO - US Only
2009	WECC		Merced Irrigation District	U.S.	437,139	437,139			0.052%	0.052%	0.000%	0.000%	0.010%	0.010%	0.000%	0.000%	0.011%
2009	WECC		Mesa, City of	U.S.	268,101	268,101			0.032%	0.032%	0.000%	0.000%	0.006%	0.006%	0.000%	0.000%	0.007%
2009	WECC		MIDSTATE ELECTRIC COOPERATIVE,	U.S.	399,776	399,776			0.047%	0.047%	0.000%	0.000%	0.009%	0.009%	0.000%	0.000%	0.010%
2009	WECC		MISSION VALLEY POWER	U.S.	421,786	421,786			0.050%	0.050%	0.000%	0.000%	0.010%	0.010%	0.000%	0.000%	0.011%
2009	WECC		MISSOULA ELECTRIC COOPERATIVE,	U.S.	228,490	228,490			0.027%	0.027%	0.000%	0.000%	0.005%	0.005%	0.000%	0.000%	0.006%
2009	WECC		Modern Electric Water Co.	U.S.	241,756	241,756			0.029%	0.029%	0.000%	0.000%	0.006%	0.006%	0.000%	0.000%	0.006%
2009	WECC		Modesto Irrigation District	U.S.	2,611,756	2,611,756			0.308%	0.308%	0.000%	0.000%	0.060%	0.060%	0.000%	0.000%	0.068%
2009	WECC		Montana Dakota Utilities (MDU)	U.S.	32,529	32,529			0.004%	0.004%	0.000%	0.000%	0.001%	0.001%	0.000%	0.000%	0.001%
2009	WECC		Mt. Wheeler Power Inc.	U.S.	501,716	501,716			0.059%	0.059%	0.000%	0.000%	0.011%	0.011%	0.000%	0.000%	0.013%
2009	WECC		Municipal Energy Agency of Nebraska	U.S.	684,897	684,897			0.081%	0.081%	0.000%	0.000%	0.016%	0.016%	0.000%	0.000%	0.018%
2009	WECC		Municipal Energy Agency of Nebraska (N	U.S.	349,888	349,888			0.041%	0.041%	0.000%	0.000%	0.008%	0.008%	0.000%	0.000%	0.009%
2009	WECC		Navajo Tribal Utility Authority (APS)	U.S.	41,047	41,047			0.005%	0.005%	0.000%	0.000%	0.001%	0.001%	0.000%	0.000%	0.001%
2009	WECC		Navajo Tribal Utility Authority (PSCofNM)	U.S.	215,464	215,464			0.025%	0.025%	0.000%	0.000%	0.005%	0.005%	0.000%	0.000%	0.006%
2009	WECC		Navopache Electric Cooperative, Inc	U.S.	472,726	472,726			0.056%	0.056%	0.000%	0.000%	0.011%	0.011%	0.000%	0.000%	0.012%
2009	WECC		Nebraska Public Power Marketing	U.S.	3,536	3,536			0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
2009	WECC		Needles Public Utilities Authority	U.S.	36,626	36,626			0.004%	0.004%	0.000%	0.000%	0.001%	0.001%	0.000%	0.000%	0.001%
2009	WECC		NESPELEM VALLEY ELECTRIC COOPI	U.S.	52,797	52,797			0.006%	0.006%	0.000%	0.000%	0.001%	0.001%	0.000%	0.000%	0.001%
2009	WECC		Nevada Power Company	U.S.	22,026,931	22,026,931			2.598%	2.598%	0.000%	0.000%	0.503%	0.503%	0.000%	0.000%	0.572%
2009	WECC		New Harquahala	U.S.	1,330	1,330			0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
2009	WECC		Northern Lights Inc.	U.S.	27,539	27,539			0.003%	0.003%	0.000%	0.000%	0.001%	0.001%	0.000%	0.000%	0.001%
2009	WECC		NORTHERN LIGHTS, INC.	U.S.	308,120	308,120			0.036%	0.036%	0.000%	0.000%	0.007%	0.007%	0.000%	0.000%	0.008%
2009	WECC		NORTHERN WASCO COUNTY PUD	U.S.	600,791	600,791			0.071%	0.071%	0.000%	0.000%	0.014%	0.014%	0.000%	0.000%	0.016%
2009	WECC		NWMT	U.S.	303,670	303,670			0.036%	0.036%	0.000%	0.000%	0.007%	0.007%	0.000%	0.000%	0.008%
2009	WECC		OHOP MUTUAL LIGHT COMPANY	U.S.	89,495	89,495			0.011%	0.011%	0.000%	0.000%	0.002%	0.002%	0.000%	0.000%	0.002%
2009	WECC		ORCAS POWER & LIGHT COOPERATI'	U.S.	215,775	215,775			0.025%	0.025%	0.000%	0.000%	0.005%	0.005%	0.000%	0.000%	0.006%
2009	WECC		OREGON TRAIL ELECTRIC CONSUME	U.S.	674,151	674,151			0.080%	0.080%	0.000%	0.000%	0.015%	0.015%	0.000%	0.000%	0.017%
2009	WECC		Overton Power District #5	U.S.	386,490	386,490			0.046%	0.046%	0.000%	0.000%	0.009%	0.009%	0.000%	0.000%	0.010%
2009	WECC		PACIFICORP (BPA)	U.S.	15,459	15,459			0.002%	0.002%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
2009	WECC		PACIFICORP (PGE)	U.S.	3,208	3,208			0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
2009	WECC		PACIFICORP(WAPA)	U.S.	207,079	207,079			0.024%	0.024%	0.000%	0.000%	0.005%	0.005%	0.000%	0.000%	0.005%
2009	WECC		PacifiCorp (PACE)	U.S.	45,173,012	45,173,012			5.328%	5.328%	0.000%	0.000%	1.031%	1.031%	0.000%	0.000%	1.172%
2009	WECC		PacifiCorp (PACW)	U.S.	21,517,544	21,517,544			2.538%	2.538%	0.000%	0.000%	0.491%	0.491%	0.000%	0.000%	0.558%
2009	WECC		Page Electric Utility	U.S.	13,177	13,177			0.002%	0.002%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
2009	WECC		PARKLAND LIGHT AND WATER COMP	U.S.	124,204	124,204			0.015%	0.015%	0.000%	0.000%	0.003%	0.003%	0.000%	0.000%	0.003%
2009	WECC		PENINSULA LIGHT COMPANY, INC.	U.S.	626,991	626,991			0.074%	0.074%	0.000%	0.000%	0.014%	0.014%	0.000%	0.000%	0.016%
2009	WECC		Platte River Power Authority	U.S.	3,162,812	3,162,812			0.373%	0.373%	0.000%	0.000%	0.072%	0.072%	0.000%	0.000%	0.082%
2009	WECC		PORT TOWNSEND PAPER CORPORA'	U.S.	197,320	197,320			0.023%	0.023%	0.000%	0.000%	0.005%	0.005%	0.000%	0.000%	0.005%
2009	WECC		Portland General Electric Company	U.S.	18,180,117	18,180,117			2.144%	2.144%	0.000%	0.000%	0.415%	0.415%	0.000%	0.000%	0.472%
2009	WECC		Public Service Company of Colorado	U.S.	29,024,840	29,024,840			3.423%	3.423%	0.000%	0.000%	0.662%	0.662%	0.000%	0.000%	0.753%
2009	WECC		Public Service Company of Colorado (Xc	U.S.	32,597	32,597			0.004%	0.004%	0.000%	0.000%	0.001%	0.001%	0.000%	0.000%	0.001%
2009	WECC		Public Service Company of New Mexico	U.S.	10,211,746	10,211,746			1.204%	1.204%	0.000%	0.000%	0.233%	0.233%	0.000%	0.000%	0.265%
2009	WECC		PUD NO 1 OF DOUGLAS COUNTY	U.S.	8,870	8,870			0.001%	0.000%	0.001%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
2009	WECC		PUD NO. 1 OF ASOTIN COUNTY	U.S.	5,257	5,257			0.001%	0.001%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
2009	WECC		PUD NO. 1 OF BENTON COUNTY	U.S.	1,781,297	1,781,297			0.210%	0.000%	0.000%	0.210%	0.041%	0.041%	0.000%	0.000%	0.046%
2009	WECC		PUD No. 1 of Chelan County	U.S.	3,256,834	3,256,834			0.384%	0.384%	0.000%	0.000%	0.074%	0.074%	0.000%	0.000%	0.085%
2009	WECC		PUD NO. 1 OF CLALLAM COUNTY	U.S.	686,467	686,467			0.081%	0.081%	0.000%	0.000%	0.016%	0.016%	0.000%	0.000%	0.018%
2009	WECC		PUD NO. 1 OF COWLITZ COUNTY	U.S.	4,912,007	4,912,007			0.579%	0.579%	0.000%	0.000%	0.112%	0.112%	0.000%	0.000%	0.127%
2009	WECC		PUD No. 1 of Douglas County	U.S.	1,485,323	1,485,323			0.175%	0.175%	0.000%	0.000%	0.034%	0.034%	0.000%	0.000%	0.039%
2009	WECC		PUD NO. 1 OF FERRY COUNTY	U.S.	99,302	99,302			0.012%	0.012%	0.000%	0.000%	0.002%	0.002%	0.000%	0.000%	0.003%
2009	WECC		PUD NO. 1 OF FRANKLIN COUNTY	U.S.	1,001,336	1,001,336			0.118%	0.000%	0.118%	0.000%	0.023%	0.000%	0.023%	0.000%	0.026%
2009	WECC		PUD NO. 1 OF GRAYS HARBOR	U.S.	1,105,132	1,105,132			0.130%	0.130%	0.000%	0.000%	0.025%	0.025%	0.000%	0.000%	0.029%

2009 NEL Calculations and Allocations to Load Serving Entities (or Designee) for the 2011 NERC and RE Assessments

Data Year	Regional Entity	ID	Entity	Country	Total NEL (MWh)	U.S. NEL	Canada NEL	Mexico NEL	% of RE total	US Total	Canada Total	Mexico Total	% of ERO Total	US Total	Canada Total	Mexico Total	% of ERO - US Only
2009	WECC		PUD NO. 1 OF KITTITAS COUNTY	U.S.	54,899	54,899			0.006%	0.000%	0.000%	0.006%	0.001%	0.000%	0.000%	0.001%	0.001%
2009	WECC		PUD NO. 1 OF KLUCKITAT COUNTY	U.S.	300,515	300,515			0.035%	0.035%	0.000%	0.000%	0.007%	0.007%	0.000%	0.000%	0.008%
2009	WECC		PUD NO. 1 OF LEWIS COUNTY	U.S.	967,210	967,210			0.114%	0.114%	0.000%	0.000%	0.022%	0.022%	0.000%	0.000%	0.025%
2009	WECC		PUD NO. 1 OF MASON COUNTY	U.S.	80,102	80,102			0.009%	0.009%	0.000%	0.000%	0.002%	0.002%	0.000%	0.000%	0.002%
2009	WECC		PUD No. 1 of Pend Oreille County	U.S.	968,963	968,963			0.114%	0.114%	0.000%	0.000%	0.022%	0.022%	0.000%	0.000%	0.025%
2009	WECC		PUD NO. 1 OF SKAMANIA COUNTY	U.S.	138,779	138,779			0.016%	0.016%	0.000%	0.000%	0.003%	0.003%	0.000%	0.000%	0.004%
2009	WECC		PUD NO. 1 OF SNOHOMISH COUNTY	U.S.	7,141,391	7,141,391			0.842%	0.842%	0.000%	0.000%	0.163%	0.163%	0.000%	0.000%	0.185%
2009	WECC		PUD NO. 1 OF WAHIAKUM COUNTY	U.S.	44,609	44,609			0.005%	0.005%	0.000%	0.000%	0.001%	0.001%	0.000%	0.000%	0.001%
2009	WECC		PUD NO. 1 OF WHATCOM COUNTY	U.S.	223,878	223,878			0.026%	0.026%	0.000%	0.000%	0.005%	0.005%	0.000%	0.000%	0.006%
2009	WECC		PUD NO. 2 OF GRANT COUNTY (Avista)	U.S.	90,436	90,436			0.011%	0.011%	0.000%	0.000%	0.002%	0.002%	0.000%	0.000%	0.002%
2009	WECC		PUD NO. 2 OF GRANT COUNTY (BPA)	U.S.	49,007	49,007			0.006%	0.006%	0.000%	0.000%	0.001%	0.001%	0.000%	0.000%	0.001%
2009	WECC		PUD NO. 2 OF PACIFIC COUNTY	U.S.	312,886	312,886			0.037%	0.037%	0.000%	0.000%	0.007%	0.007%	0.000%	0.000%	0.008%
2009	WECC		PUD NO. 3 OF MASON COUNTY	U.S.	700,202	700,202			0.083%	0.083%	0.000%	0.000%	0.016%	0.016%	0.000%	0.000%	0.018%
2009	WECC		Puget Sound Energy	U.S.	25,460,922	25,460,922			3.003%	3.003%	0.000%	0.000%	0.581%	0.581%	0.000%	0.000%	0.661%
2009	WECC		RAFT RIVER RURAL ELECTRIC COOP	U.S.	221,513	221,513			0.026%	0.026%	0.000%	0.000%	0.005%	0.005%	0.000%	0.000%	0.006%
2009	WECC		RAVALLI COUNTY ELECTRIC COOPEF	U.S.	157,578	157,578			0.019%	0.019%	0.000%	0.000%	0.004%	0.004%	0.000%	0.000%	0.004%
2009	WECC		RBS Sempra Energy Solutions	U.S.	1,884,440	1,884,440			0.222%	0.222%	0.000%	0.000%	0.043%	0.043%	0.000%	0.000%	0.049%
2009	WECC		RIVERSIDE ELECTRIC COMPANY, LTC	U.S.	20,070	20,070			0.002%	0.002%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.001%
2009	WECC		Rocky Mountain Generation Cooperative	U.S.	39,802	39,802			0.005%	0.005%	0.000%	0.000%	0.001%	0.001%	0.000%	0.000%	0.001%
2009	WECC		Roosevelt Irrigation District	U.S.	29,845	29,845			0.004%	0.004%	0.000%	0.000%	0.001%	0.001%	0.000%	0.000%	0.001%
2009	WECC		SALEM ELECTRIC	U.S.	336,272	336,272			0.040%	0.040%	0.000%	0.000%	0.008%	0.008%	0.000%	0.000%	0.009%
2009	WECC		Salt River Project (SRP)	U.S.	28,037,507	28,037,507			3.307%	3.307%	0.000%	0.000%	0.640%	0.640%	0.000%	0.000%	0.728%
2009	WECC		San Carlos Indian Irrigation Project	U.S.	140	140			0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
2009	WECC		Seattle City Light	U.S.	10,167,916	10,167,916			1.199%	1.199%	0.000%	0.000%	0.232%	0.232%	0.000%	0.000%	0.264%
2009	WECC		Sierra Pacific Power Company	U.S.	8,715,131	8,715,131			1.028%	1.028%	0.000%	0.000%	0.199%	0.199%	0.000%	0.000%	0.226%
2009	WECC		SMGT / BPA	U.S.	16,023	16,023			0.002%	0.002%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
2009	WECC		SMUD	U.S.	11,447,941	11,447,941			1.350%	1.350%	0.000%	0.000%	0.261%	0.261%	0.000%	0.000%	0.297%
2009	WECC		SOUTH SIDE ELECTRIC, INC.	U.S.	54,814	54,814			0.006%	0.006%	0.000%	0.000%	0.001%	0.001%	0.000%	0.000%	0.001%
2009	WECC		Southern Montana	U.S.	693,761	693,761			0.082%	0.082%	0.000%	0.000%	0.016%	0.016%	0.000%	0.000%	0.018%
2009	WECC		Southern Nevada Water Authority	U.S.	821,644	821,644			0.097%	0.097%	0.000%	0.000%	0.019%	0.019%	0.000%	0.000%	0.021%
2009	WECC		Southwest Transmission Cooperative, Inc	U.S.	2,712,926	2,712,926			0.320%	0.320%	0.000%	0.000%	0.062%	0.062%	0.000%	0.000%	0.070%
2009	WECC		SPRINGFIELD UTILITY BOARD	U.S.	853,124	853,124			0.101%	0.101%	0.000%	0.000%	0.019%	0.019%	0.000%	0.000%	0.022%
2009	WECC		SURPRISE VALLEY ELECTRIFICATION	U.S.	34,622	34,622			0.004%	0.004%	0.000%	0.000%	0.001%	0.001%	0.000%	0.000%	0.001%
2009	WECC		Tacoma Power	U.S.	5,011,373	5,011,373			0.591%	0.591%	0.000%	0.000%	0.114%	0.114%	0.000%	0.000%	0.130%
2009	WECC		The Incorporated County of Los Alamos	U.S.	385,561	385,561			0.045%	0.045%	0.000%	0.000%	0.009%	0.009%	0.000%	0.000%	0.010%
2009	WECC		TILLAMOOK PUD	U.S.	353,089	353,089			0.042%	0.042%	0.000%	0.000%	0.008%	0.008%	0.000%	0.000%	0.009%
2009	WECC		Tohono O'Odham Utility Authority	U.S.	67,007	67,007			0.008%	0.008%	0.000%	0.000%	0.002%	0.002%	0.000%	0.000%	0.002%
2009	WECC		Tonopah Irrigation District	U.S.	22,584	22,584			0.003%	0.003%	0.000%	0.000%	0.001%	0.001%	0.000%	0.000%	0.001%
2009	WECC		Total NWMT Load Owner	U.S.	8,873,287	8,873,287			1.047%	1.047%	0.000%	0.000%	0.202%	0.202%	0.000%	0.000%	0.230%
2009	WECC		Town of Center-Transmission	U.S.	12,172	12,172			0.001%	0.001%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
2009	WECC		TOWN OF COULEE DAM	U.S.	19,082	19,082			0.002%	0.002%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
2009	WECC		TOWN OF EATONVILLE	U.S.	29,196	29,196			0.003%	0.003%	0.000%	0.000%	0.001%	0.001%	0.000%	0.000%	0.001%
2009	WECC		TOWN OF STEILACOOM	U.S.	42,414	42,414			0.005%	0.005%	0.000%	0.000%	0.001%	0.001%	0.000%	0.000%	0.001%
2009	WECC		Town of Wickenburg	U.S.	29,103	29,103			0.003%	0.003%	0.000%	0.000%	0.001%	0.001%	0.000%	0.000%	0.001%
2009	WECC		Tri State G & T Assoc., Inc	U.S.	1,952,963	1,952,963			0.230%	0.230%	0.000%	0.000%	0.045%	0.045%	0.000%	0.000%	0.051%
2009	WECC		Tri-State Generation & Transmission Ass	U.S.	8,502	8,502			0.001%	0.001%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
2009	WECC		Tri-State Generation and Transmission A	U.S.	6,641,896	6,641,896			0.783%	0.783%	0.000%	0.000%	0.152%	0.152%	0.000%	0.000%	0.172%
2009	WECC		Tristate Generation and Transmission As	U.S.	2,422,891	2,422,891			0.286%	0.286%	0.000%	0.000%	0.055%	0.055%	0.000%	0.000%	0.063%
2009	WECC		Truckee Donner Public Utility District	U.S.	150,195	150,195			0.018%	0.018%	0.000%	0.000%	0.003%	0.003%	0.000%	0.000%	0.004%
2009	WECC		Tucson Electric Power	U.S.	13,564,552	13,564,552			1.600%	1.600%	0.000%	0.000%	0.310%	0.310%	0.000%	0.000%	0.352%
2009	WECC		Turlock Irrigation District	U.S.	2,063,084	2,063,084			0.243%	0.243%	0.000%	0.000%	0.047%	0.047%	0.000%	0.000%	0.054%

2009 NEL Calculations and Allocations to Load Serving Entities (or Designee) for the 2011 NERC and RE Assessments

Data Year	Regional Entity	ID	Entity	Country	Total NEL (MWh)	U.S. NEL	Canada NEL	Mexico NEL	% of RE total	US Total	Canada Total	Mexico Total	% of ERO Total	US Total	Canada Total	Mexico Total	% of ERO - US Only
2009	WECC		U.S. Army Yuma Proving Ground	U.S.	19,637	19,637			0.002%	0.002%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.001%
2009	WECC		U.S. BOIA WAPATO IRRIGATION PRO.	U.S.	17,178	17,178			0.002%	0.002%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
2009	WECC		U.S. BOR EAST GREENACRES (RATHI	U.S.	5,358	5,358			0.001%	0.001%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
2009	WECC		U.S. BOR SPOKANE INDIAN DEVELOP	U.S.	3,450	3,450			0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
2009	WECC		U.S. DOE NATIONAL ENERGY TECHN	U.S.	3,874	3,874			0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
2009	WECC		U.S. DOE RICHLAND OPERATIONS OF	U.S.	188,941	188,941			0.022%	0.022%	0.000%	0.000%	0.004%	0.004%	0.000%	0.000%	0.005%
2009	WECC		U.S.A.F. BASE, FAIRCHILD	U.S.	55,769	55,769			0.007%	0.007%	0.000%	0.000%	0.001%	0.001%	0.000%	0.000%	0.001%
2009	WECC		U.S.N SUBMARINE BASE, BANGOR	U.S.	178,872	178,872			0.021%	0.021%	0.000%	0.000%	0.004%	0.004%	0.000%	0.000%	0.005%
2009	WECC		U.S.N. NAVAL STATION, BREMERTON	U.S.	249,357	249,357			0.029%	0.029%	0.000%	0.000%	0.006%	0.006%	0.000%	0.000%	0.006%
2009	WECC		U.S.N. NAVAL STATION, EVERETT	U.S.	14,107	14,107			0.002%	0.002%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
2009	WECC		UMATILLA ELECTRIC COOPERATIVE /	U.S.	957,575	957,575			0.113%	0.113%	0.000%	0.000%	0.022%	0.022%	0.000%	0.000%	0.025%
2009	WECC		Unit B Irrigation District	U.S.	20	20			0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
2009	WECC		United Electric Cooperative, Inc.	U.S.	225,406	225,406			0.027%	0.027%	0.000%	0.000%	0.005%	0.005%	0.000%	0.000%	0.006%
2009	WECC		Valley Electric Association	U.S.	461,088	461,088			0.054%	0.054%	0.000%	0.000%	0.011%	0.011%	0.000%	0.000%	0.012%
2009	WECC		Vera Water and Power	U.S.	238,050	238,050			0.028%	0.028%	0.000%	0.000%	0.005%	0.005%	0.000%	0.000%	0.006%
2009	WECC		Vigilante Electric Cooperative, Inc.	U.S.	164,342	164,342			0.019%	0.019%	0.000%	0.000%	0.004%	0.004%	0.000%	0.000%	0.004%
2009	WECC		WASCO Electric Cooperative	U.S.	96,396	96,396			0.011%	0.011%	0.000%	0.000%	0.002%	0.002%	0.000%	0.000%	0.003%
2009	WECC		WAUW	U.S.	227,523	227,523			0.027%	0.027%	0.000%	0.000%	0.005%	0.005%	0.000%	0.000%	0.006%
2009	WECC		Wells REA	U.S.	206,198	206,198			0.024%	0.024%	0.000%	0.000%	0.005%	0.005%	0.000%	0.000%	0.005%
2009	WECC		Wells Rural Electric Coop	U.S.	653,636	653,636			0.077%	0.077%	0.000%	0.000%	0.015%	0.015%	0.000%	0.000%	0.017%
2009	WECC		Wellton-Mohawk Irrigation & Drainage Di	U.S.	7,379	7,379			0.001%	0.001%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
2009	WECC		West Oregon Electric Cooperative, Inc	U.S.	70,978	70,978			0.008%	0.008%	0.000%	0.000%	0.002%	0.002%	0.000%	0.000%	0.002%
2009	WECC		Western (WAPA-Sierra Nevada Region)	U.S.	1,414,575	1,414,575			0.167%	0.167%	0.000%	0.000%	0.032%	0.032%	0.000%	0.000%	0.037%
2009	WECC		Western Area Power	U.S.	195,208	195,208			0.023%	0.023%	0.000%	0.000%	0.004%	0.004%	0.000%	0.000%	0.005%
2009	WECC		Western Area Power Administration - CR	U.S.	1,121,069	1,121,069			0.132%	0.132%	0.000%	0.000%	0.026%	0.026%	0.000%	0.000%	0.029%
2009	WECC		Western Area Power Administration - De	U.S.	2,283,187	2,283,187			0.269%	0.269%	0.000%	0.000%	0.052%	0.052%	0.000%	0.000%	0.059%
2009	WECC		Western Area Power Administration - LAI	U.S.	1,556,662	1,556,662			0.184%	0.184%	0.000%	0.000%	0.036%	0.036%	0.000%	0.000%	0.040%
2009	WECC		Western Area Power Administration	U.S.	493,680	493,680			0.058%	0.058%	0.000%	0.000%	0.011%	0.011%	0.000%	0.000%	0.013%
2009	WECC		Wyoming Municipal Power Agency	U.S.	198,608	198,608			0.023%	0.023%	0.000%	0.000%	0.005%	0.005%	0.000%	0.000%	0.005%
2009	WECC		Yampa Valley	U.S.	604,197	604,197			0.071%	0.071%	0.000%	0.000%	0.014%	0.014%	0.000%	0.000%	0.016%
2009	WECC		Yuma Irrigation District	U.S.	3,048	3,048			0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
2009	WECC		Yuma-Mesa Irrigation District	U.S.	175	175			0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
TOTAL WECC					847,828,789	720,047,487	117,038,716	10,742,586	100.000%	84.593%	13.924%	1.484%	19.348%	16.408%	2.694%	0.246%	18.685%
TOTAL ERO					4,382,034,322	3,853,706,121	517,585,615	10,742,586	800.000%	713.204%	85.313%	1.484%	100.000%	87.919%	11.834%	0.246%	100.000%
Summary by Regional Entity																	
2009	FRCC				226,802,655	226,802,655	-	-	100.000%	100.000%	0.000%	0.000%	5.176%	5.176%	0.000%	0.000%	5.885%
2009	MRO				264,751,863	220,355,964	44,395,899	-	100.000%	83.231%	16.769%	0.000%	6.042%	5.029%	1.013%	0.000%	5.718%
2009	NPCC				652,049,000	295,898,000	356,151,000	-	100.000%	45.380%	54.620%	0.000%	14.880%	6.753%	8.128%	0.000%	7.678%
2009	RFC				889,208,026	889,208,026	-	-	100.000%	100.000%	0.000%	0.000%	20.292%	20.292%	0.000%	0.000%	23.074%
2009	SERC				990,093,522	990,093,522	-	-	100.000%	100.000%	0.000%	0.000%	22.594%	22.594%	0.000%	0.000%	25.692%
2009	SPP				203,022,708	203,022,708	-	-	100.000%	100.000%	0.000%	0.000%	4.633%	4.633%	0.000%	0.000%	5.268%
2009	TRE				308,277,759	308,277,759	-	-	100.000%	100.000%	0.000%	0.000%	7.035%	7.035%	0.000%	0.000%	8.000%
2009	WECC				847,828,789	720,047,487	117,038,716	10,742,586	100.000%	84.593%	13.924%	1.484%	19.348%	16.408%	2.694%	0.246%	18.685%
Total					4,382,034,322	3,853,706,121	517,585,615	10,742,586	800.000%	713.204%	85.313%	1.484%	100.000%	87.919%	11.834%	0.246%	100.000%

2009 NEL Calculations and Allocations to Load Serving Entities (or Designee) for the 2011 NERC and RE Assessments

Data Year	Regional Entity	ID	Entity	Country	Total ERO Assessments (NERC, RE & WIRAB Costs)				Total NERC Assessments				Total Regional Entity Assessments (Including WIRAB Assessments)			
					Total	US Total	Canada Total	Mexico Total	Total	US Total	Canada Total	Mexico Total	Total	US Total	Canada Total	Mexico Total
2009	FRCC	1074	Alachua, City of	U.S.	3,826	3,826	-	-	1,154	1,154	-	-	2,672	2,672	-	-
2009	FRCC	1075	Bartow, City of	U.S.	9,455	9,455	-	-	2,852	2,852	-	-	6,603	6,603	-	-
2009	FRCC	1076	Chattahoochee, City of	U.S.	1,367	1,367	-	-	412	412	-	-	955	955	-	-
2009	FRCC	1077	Florida Keys Electric Cooperative Assn	U.S.	21,449	21,449	-	-	6,469	6,469	-	-	14,980	14,980	-	-
2009	FRCC	1078	Florida Power & Light Co.	U.S.	3,454,083	3,454,083	-	-	1,041,780	1,041,780	-	-	2,412,303	2,412,303	-	-
2009	FRCC	1079	Florida Public Utilities Company	U.S.	12,710	12,710	-	-	3,833	3,833	-	-	8,876	8,876	-	-
2009	FRCC	1080	Gainesville Regional Utilities	U.S.	58,954	58,954	-	-	17,781	17,781	-	-	41,173	41,173	-	-
2009	FRCC	1081	Homestead, City of	U.S.	15,209	15,209	-	-	4,587	4,587	-	-	10,622	10,622	-	-
2009	FRCC	1082	JEA	U.S.	399,809	399,809	-	-	120,586	120,586	-	-	279,223	279,223	-	-
2009	FRCC	1083	Lakeland Electric	U.S.	93,824	93,824	-	-	28,298	28,298	-	-	65,526	65,526	-	-
2009	FRCC	1084	Mount Dora, City of	U.S.	2,976	2,976	-	-	898	898	-	-	2,078	2,078	-	-
2009	FRCC	1085	New Smyrna Beach, Utilities Commission	U.S.	12,198	12,198	-	-	3,679	3,679	-	-	8,519	8,519	-	-
2009	FRCC	1086	Orlando Utilities Commission	U.S.	177,268	177,268	-	-	53,466	53,466	-	-	123,803	123,803	-	-
2009	FRCC	1087	Progress Energy Florida	U.S.	1,306,731	1,306,731	-	-	394,121	394,121	-	-	912,610	912,610	-	-
2009	FRCC	1088	Quincy, City of	U.S.	4,538	4,538	-	-	1,369	1,369	-	-	3,169	3,169	-	-
2009	FRCC	1089	Reedy Creek Improvement District	U.S.	38,539	38,539	-	-	11,624	11,624	-	-	26,916	26,916	-	-
2009	FRCC	1090	St. Cloud, City of (OUC)	U.S.	18,815	18,815	-	-	5,675	5,675	-	-	13,140	13,140	-	-
2009	FRCC	1091	Tallahassee, City of	U.S.	87,960	87,960	-	-	26,529	26,529	-	-	61,431	61,431	-	-
2009	FRCC	1092	Tampa Electric Company	U.S.	619,357	619,357	-	-	186,803	186,803	-	-	432,554	432,554	-	-
2009	FRCC	1603	Vero Beach, City of	U.S.	23,613	23,613	-	-	7,122	7,122	-	-	16,491	16,491	-	-
2009	FRCC	1093	Wauchula, City of	U.S.	2,115	2,115	-	-	638	638	-	-	1,477	1,477	-	-
2009	FRCC	1094	Williston, City of	U.S.	1,104	1,104	-	-	333	333	-	-	771	771	-	-
2009	FRCC	1095	Winter Park, City of	U.S.	14,287	14,287	-	-	4,309	4,309	-	-	9,978	9,978	-	-
2009	FRCC	1072	Florida Municipal Power Agency	U.S.	192,886	192,886	-	-	58,176	58,176	-	-	134,710	134,710	-	-
2009	FRCC	1073	Seminole Electric Cooperative	U.S.	539,070	539,070	-	-	162,588	162,588	-	-	376,482	376,482	-	-
TOTAL FRCC					7,112,141	7,112,141	-	-	2,145,081	2,145,081	-	-	4,967,060	4,967,060	-	-
2009	MRO	1199	Basin Electric Power Cooperative	U.S.	422,412	422,412	-	-	103,398	103,398	-	-	319,014	319,014	-	-
2009	MRO	1201	Central Iowa Power Cooperative (CIPCO)	U.S.	109,653	109,653	-	-	26,841	26,841	-	-	82,812	82,812	-	-
2009	MRO	1204	Corn Belt Power Cooperative	U.S.	75,155	75,155	-	-	18,396	18,396	-	-	56,758	56,758	-	-
2009	MRO	1207	Dairyland Power Cooperative	U.S.	214,138	214,138	-	-	52,417	52,417	-	-	161,721	161,721	-	-
2009	MRO	1210	Great River Energy	U.S.	545,383	545,383	-	-	133,498	133,498	-	-	411,884	411,884	-	-
2009	MRO	1222	Minnkota Power Cooperative, Inc.	U.S.	157,249	157,249	-	-	38,491	38,491	-	-	118,758	118,758	-	-
2009	MRO	1230	Nebraska Public Power District	U.S.	521,556	521,556	-	-	127,666	127,666	-	-	393,890	393,890	-	-
2009	MRO	1232	Omaha Public Power District	U.S.	424,337	424,337	-	-	103,869	103,869	-	-	320,468	320,468	-	-
2009	MRO	1237	Southern Montana Generation and Trans	U.S.	184	184	-	-	45	45	-	-	139	139	-	-
2009	MRO	1240	Western Area Power Administration (UM)	U.S.	342,699	342,699	-	-	83,886	83,886	-	-	258,813	258,813	-	-
2009	MRO	1239	Western Area Power Administration (LM)	U.S.	5,225	5,225	-	-	1,279	1,279	-	-	3,946	3,946	-	-
2009	MRO	1217	Manitoba Hydro	CAN	1,095,294	-	1,095,294	-	313,503	-	313,503	-	781,792	-	781,792	-
2009	MRO	1235	SaskPower	CAN	877,554	-	877,554	-	251,180	-	251,180	-	626,375	-	626,375	-
2009	MRO	1195	Alliant Energy (Alliant East - WPL & Alliar	U.S.	1,143,530	1,143,530	-	-	279,913	279,913	-	-	863,618	863,618	-	-
2009	MRO	1216	Madison, Gas and Electric	U.S.	137,200	137,200	-	-	33,584	33,584	-	-	103,616	103,616	-	-
2009	MRO	1220	MidAmerican Energy Company	U.S.	886,519	886,519	-	-	217,001	217,001	-	-	669,517	669,517	-	-
2009	MRO	1221	Minnesota Power	U.S.	414,222	414,222	-	-	101,393	101,393	-	-	312,829	312,829	-	-
2009	MRO	1226	Montana-Dakota Utilities Co.	U.S.	106,783	106,783	-	-	26,138	26,138	-	-	80,645	80,645	-	-
2009	MRO	1231	NorthWestern Energy	U.S.	58,481	58,481	-	-	14,315	14,315	-	-	44,166	44,166	-	-
2009	MRO	1233	Otter Tail Power Company	U.S.	175,939	175,939	-	-	43,066	43,066	-	-	132,872	132,872	-	-
2009	MRO	1243	Integrus Energy Group (WPS and UPPC)	U.S.	556,326	556,326	-	-	136,177	136,177	-	-	420,149	420,149	-	-
2009	MRO	1244	Xcel Energy Company (NSP)	U.S.	1,849,013	1,849,013	-	-	452,600	452,600	-	-	1,396,413	1,396,413	-	-
2009	MRO	1196	Ames Municipal Electric System	U.S.	29,935	29,935	-	-	7,328	7,328	-	-	22,608	22,608	-	-
2009	MRO	1604	Atlantic Municipal Utilities	U.S.	3,276	3,276	-	-	802	802	-	-	2,474	2,474	-	-
2009	MRO	1476	Badger Power Marketing Authority of Wis	U.S.	14,282	14,282	-	-	3,496	3,496	-	-	10,786	10,786	-	-
2009	MRO	1200	Cedar Falls Municipal Utilities	U.S.	20,847	20,847	-	-	5,103	5,103	-	-	15,744	15,744	-	-
2009	MRO	1477	Central Minnesota Municipal Power Agen	U.S.	17,589	17,589	-	-	4,305	4,305	-	-	13,283	13,283	-	-
2009	MRO	1605	City of Pella	U.S.	7,195	7,195	-	-	1,761	1,761	-	-	5,434	5,434	-	-
2009	MRO	1203	Escanaba Municipal Electric Utility	U.S.	5,817	5,817	-	-	1,424	1,424	-	-	4,393	4,393	-	-
2009	MRO	1205	Falls City Water & Light Department	U.S.	1,576	1,576	-	-	386	386	-	-	1,190	1,190	-	-
2009	MRO	1206	Fremont Department of Utilities	U.S.	17,197	17,197	-	-	4,209	4,209	-	-	12,988	12,988	-	-
2009	MRO	1208	Geneseo Municipal Utilities	U.S.	2,628	2,628	-	-	643	643	-	-	1,985	1,985	-	-
2009	MRO	1209	Grand Island Utilities Department	U.S.	28,058	28,058	-	-	6,868	6,868	-	-	21,190	21,190	-	-

2009 NEL Calculations and Allocations to Load Serving Entities (or Designee) for the 2011 NERC and RE Assessments

Data Year	Regional Entity	ID	Entity	Country	Total ERO Assessments (NERC, RE & WIRAB Costs)				Total NERC Assessments				Total Regional Entity Assessments (Including WIRAB Assessments)			
					Total	US Total	Canada Total	Mexico Total	Total	US Total	Canada Total	Mexico Total	Total	US Total	Canada Total	Mexico Total
2009	MRO	1606	Harlan Municipal Utilities	U.S.	764	764	-	-	187	187	-	-	577	577	-	-
2009	MRO	1211	Hastings Utilities	U.S.	16,266	16,266	-	-	3,981	3,981	-	-	12,284	12,284	-	-
2009	MRO	1212	Heartland Consumers Power District	U.S.	27,222	27,222	-	-	6,663	6,663	-	-	20,558	20,558	-	-
2009	MRO	1213	Hutchinson Utilities Commission	U.S.	11,907	11,907	-	-	2,915	2,915	-	-	8,992	8,992	-	-
2009	MRO	1215	Lincoln Electric System	U.S.	129,483	129,483	-	-	31,695	31,695	-	-	97,788	97,788	-	-
2009	MRO	1218	Manitowoc Public Utilities	U.S.	21,205	21,205	-	-	5,191	5,191	-	-	16,015	16,015	-	-
2009	MRO	1223	Missouri River Energy Services	U.S.	89,091	89,091	-	-	21,808	21,808	-	-	67,284	67,284	-	-
2009	MRO	1224	MN Municipal Power Agency (MMPA)	U.S.	57,022	57,022	-	-	13,958	13,958	-	-	43,064	43,064	-	-
2009	MRO	1607	Montezuma Municipal Light & Power	U.S.	1,081	1,081	-	-	265	265	-	-	816	816	-	-
2009	MRO	1227	Municipal Energy Agency of Nebraska	U.S.	40,011	40,011	-	-	9,794	9,794	-	-	30,218	30,218	-	-
2009	MRO	1228	Muscatine Power and Water	U.S.	34,880	34,880	-	-	8,538	8,538	-	-	26,342	26,342	-	-
2009	MRO	1229	Nebraska City Utilities	U.S.	6,674	6,674	-	-	1,634	1,634	-	-	5,041	5,041	-	-
2009	MRO	1234	Rochester Public Utilities	U.S.	49	49	-	-	12	12	-	-	37	37	-	-
2009	MRO	1236	Southern Minnesota Municipal Power Ag	U.S.	117,996	117,996	-	-	28,883	28,883	-	-	89,113	89,113	-	-
2009	MRO	1241	Willmar Municipal Utilities	U.S.	11,774	11,774	-	-	2,882	2,882	-	-	8,892	8,892	-	-
2009	MRO	1242	Wisconsin Public Power, Inc. (East and V	U.S.	213,462	213,462	-	-	52,251	52,251	-	-	161,211	161,211	-	-
TOTAL MRO					11,046,138	9,073,289	1,972,849	-	2,785,636	2,220,953	564,683	-	8,260,502	6,852,336	1,408,166	-
2009	NPCC	1336	New England	U.S.	4,486,684	4,486,684	-	-	1,205,764	1,205,764	-	-	3,280,920	3,280,920	-	-
2009	NPCC	1339	New York	U.S.	5,627,532	5,627,532	-	-	1,510,928	1,510,928	-	-	4,116,603	4,116,603	-	-
2009	NPCC	1337	Ontario	Canada	3,248,689	-	3,248,689	-	1,175,701	-	1,175,701	-	2,072,988	-	2,072,988	-
2009	NPCC	1341	Quebec	Canada	4,546,766	-	4,546,766	-	1,773,069	-	1,773,069	-	2,773,697	-	2,773,697	-
2009	NPCC	1338	New Brunswick	Canada	320,780	-	320,780	-	116,090	-	116,090	-	204,690	-	204,690	-
2009	NPCC	1340	Nova Scotia	Canada	346,125	-	346,125	-	142,414	-	142,414	-	203,711	-	203,711	-
TOTAL NPCC					18,576,576	10,114,216	8,462,360	-	5,923,966	2,716,692	3,207,274	-	12,652,610	7,397,523	5,255,087	-
2009	RFC	1096	Alger Delta Cooperative Electric Associat	U.S.	1,394	1,394	-	-	552	552	-	-	842	842	-	-
2009	RFC	1097	American Municipal Power	U.S.	77,903	77,903	-	-	30,870	30,870	-	-	47,033	47,033	-	-
2009	RFC	1104	Bay City	U.S.	7,819	7,819	-	-	3,098	3,098	-	-	4,721	4,721	-	-
2009	RFC	1098	Village of Bethel	U.S.	690	690	-	-	274	274	-	-	417	417	-	-
2009	RFC	1101	Buckeye Power Inc. (DUKE-CIN)	U.S.	6,314	6,314	-	-	2,502	2,502	-	-	3,812	3,812	-	-
2009	RFC	1100	Buckeye Power Inc. (ATSI)	U.S.	24,064	24,064	-	-	9,536	9,536	-	-	14,529	14,529	-	-
2009	RFC	1102	Cannelton Utilities	U.S.	395	395	-	-	157	157	-	-	238	238	-	-
2009	RFC	1105	City of Chelsea	U.S.	2,183	2,183	-	-	865	865	-	-	1,318	1,318	-	-
2009	RFC	1106	City of Crosswell	U.S.	866	866	-	-	343	343	-	-	523	523	-	-
2009	RFC	1107	City of Crystal Falls	U.S.	322	322	-	-	128	128	-	-	194	194	-	-
2009	RFC	1108	City of Eaton Rapids	U.S.	1,861	1,861	-	-	738	738	-	-	1,124	1,124	-	-
2009	RFC	1110	City of Hamilton	U.S.	10,532	10,532	-	-	4,173	4,173	-	-	6,359	6,359	-	-
2009	RFC	1111	City of Hart	U.S.	858	858	-	-	340	340	-	-	518	518	-	-
2009	RFC	1490	City of Lansing	U.S.	49,983	49,983	-	-	19,806	19,806	-	-	30,177	30,177	-	-
2009	RFC	1112	City of Marquette Board of Light & Power	U.S.	8,060	8,060	-	-	3,194	3,194	-	-	4,866	4,866	-	-
2009	RFC	1165	City of Painesville	U.S.	3,760	3,760	-	-	1,490	1,490	-	-	2,270	2,270	-	-
2009	RFC	1114	City of Portland	U.S.	843	843	-	-	334	334	-	-	509	509	-	-
2009	RFC	1116	City of St. Louis	U.S.	928	928	-	-	368	368	-	-	561	561	-	-
2009	RFC	1117	City of Williamstown KY	U.S.	1,281	1,281	-	-	508	508	-	-	774	774	-	-
2009	RFC	1118	City of Wyandotte	U.S.	1,558	1,558	-	-	617	617	-	-	941	941	-	-
2009	RFC	1119	Cleveland Public Power	U.S.	38,804	38,804	-	-	15,377	15,377	-	-	23,428	23,428	-	-
2009	RFC	1120	Cloverland Electric Cooperative	U.S.	5,611	5,611	-	-	2,224	2,224	-	-	3,388	3,388	-	-
2009	RFC	1132	Cloverland (f.k.a. - Edison Sault Electric C	U.S.	15,817	15,817	-	-	6,268	6,268	-	-	9,549	9,549	-	-
2009	RFC	1122	CMS ERM Michigan LLC	U.S.	3,064	3,064	-	-	1,214	1,214	-	-	1,850	1,850	-	-
2009	RFC	1124	Constellation New Energy (MECS-CONS	U.S.	11,510	11,510	-	-	4,561	4,561	-	-	6,949	6,949	-	-
2009	RFC	1123	Constellation New Energy (MECS-DET)	U.S.	16,471	16,471	-	-	6,527	6,527	-	-	9,944	9,944	-	-
2009	RFC	1534	Constellation New Energy Inc. (ATSI)	U.S.	4,786	4,786	-	-	1,897	1,897	-	-	2,890	2,890	-	-
2009	RFC	1125	Constellation New Energy Inc. (DUKE-C	U.S.	2,844	2,844	-	-	1,127	1,127	-	-	1,717	1,717	-	-
2009	RFC	1126	Consumers Energy Company	U.S.	789,789	789,789	-	-	312,962	312,962	-	-	476,827	476,827	-	-
2009	RFC	1128	Detroit Edison Company	U.S.	1,083,891	1,083,891	-	-	429,503	429,503	-	-	654,388	654,388	-	-
2009	RFC	1129	Dominion Retail (ATSI)	U.S.	2,378	2,378	-	-	942	942	-	-	1,436	1,436	-	-
2009	RFC	1130	Dominion Retail Inc. (DUKE-CIN)	U.S.	8,784	8,784	-	-	3,481	3,481	-	-	5,303	5,303	-	-
2009	RFC	1131	DTE Energy Trading	U.S.	-	-	-	-	-	-	-	-	-	-	-	-
2009	RFC	1166	Duke Energy Indiana	U.S.	679,213	679,213	-	-	269,145	269,145	-	-	410,068	410,068	-	-

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					Total	US Total	Canada Total	Mexico Total	Total	US Total	Canada Total	Mexico Total	Total	US Total	Canada Total	Mexico Total
2009	RFC	1179	Duke Energy Kentucky	U.S.	99,682	99,682	-	-	39,500	39,500	-	-	60,182	60,182	-	-
2009	RFC	1178	Duke Energy Ohio	U.S.	427,064	427,064	-	-	169,229	169,229	-	-	257,835	257,835	-	-
2009	RFC	1608	Duke Energy Retail Sales (ATSI)	U.S.	43,877	43,877	-	-	17,387	17,387	-	-	26,490	26,490	-	-
2009	RFC	1609	Duke Energy Retail Sales (DUKE-CIN)	U.S.	20,243	20,243	-	-	8,021	8,021	-	-	12,221	12,221	-	-
2009	RFC	1563	Energy International Power Marketing	U.S.	-	-	-	-	-	-	-	-	-	-	-	-
2009	RFC	1135	Ferdinand Municipal Light & Water	U.S.	960	960	-	-	380	380	-	-	580	580	-	-
2009	RFC	1138	FirstEnergy	U.S.	1,030,111	1,030,111	-	-	408,192	408,192	-	-	621,919	621,919	-	-
2009	RFC	1137	FirstEnergy Solutions (ATSI)	U.S.	534,900	534,900	-	-	211,960	211,960	-	-	322,940	322,940	-	-
2009	RFC	1549	FirstEnergy Solutions (MECS-DET)	U.S.	522	522	-	-	207	207	-	-	315	315	-	-
2009	RFC	1550	FirstEnergy Solutions (DUKE-CIN)	U.S.	8,159	8,159	-	-	3,233	3,233	-	-	4,926	4,926	-	-
2009	RFC	1610	Gexa Energy	U.S.	36,177	36,177	-	-	14,335	14,335	-	-	21,841	21,841	-	-
2009	RFC	1141	Georgetown	U.S.	1,314	1,314	-	-	521	521	-	-	793	793	-	-
2009	RFC	1611	Glacial Energy (ATSI)	U.S.	24	24	-	-	9	9	-	-	14	14	-	-
2009	RFC	1612	Glacial Energy (MECS-DET)	U.S.	641	641	-	-	254	254	-	-	387	387	-	-
2009	RFC	1143	Hammersville	U.S.	132	132	-	-	52	52	-	-	80	80	-	-
2009	RFC	1144	Holland Board of Public Works	U.S.	17,386	17,386	-	-	6,889	6,889	-	-	10,497	10,497	-	-
2009	RFC	1145	Hoosier Energy	U.S.	160,464	160,464	-	-	63,586	63,586	-	-	96,879	96,879	-	-
2009	RFC	1148	Indiana Municipal Power Agency (DUKE)	U.S.	68,378	68,378	-	-	27,095	27,095	-	-	41,282	41,282	-	-
2009	RFC	1485	Indiana Municipal Power Agency (NIPSC)	U.S.	9,017	9,017	-	-	3,573	3,573	-	-	5,444	5,444	-	-
2009	RFC	1486	Indiana Municipal Power Agency (SIGE)	U.S.	13,323	13,323	-	-	5,279	5,279	-	-	8,044	8,044	-	-
2009	RFC	1149	Indianapolis Power & Light Co.	U.S.	356,453	356,453	-	-	141,248	141,248	-	-	215,205	215,205	-	-
2009	RFC	1613	Integrus Energy Services (ATSI)	U.S.	1	1	-	-	0	0	-	-	1	1	-	-
2009	RFC	1552	Integrus Energy Services (DUKE-CIN)	U.S.	448	448	-	-	177	177	-	-	270	270	-	-
2009	RFC	1553	Integrus Energy Services (MECS-CONS)	U.S.	5,796	5,796	-	-	2,297	2,297	-	-	3,499	3,499	-	-
2009	RFC	1554	Integrus Energy Services (MECS-DET)	U.S.	5,817	5,817	-	-	2,305	2,305	-	-	3,512	3,512	-	-
2009	RFC	1614	Just Energy (MECS-DET)	U.S.	624	624	-	-	247	247	-	-	377	377	-	-
2009	RFC	1151	Lebanon	U.S.	6,582	6,582	-	-	2,608	2,608	-	-	3,974	3,974	-	-
2009	RFC	1154	Michigan Public Power Agency	U.S.	27,753	27,753	-	-	10,997	10,997	-	-	16,756	16,756	-	-
2009	RFC	1155	Michigan South Central Power Agency	U.S.	12,984	12,984	-	-	5,145	5,145	-	-	7,839	7,839	-	-
2009	RFC	1158	MidAmerican Energy Company Retail	U.S.	688	688	-	-	273	273	-	-	416	416	-	-
2009	RFC	1163	Northern Indiana Public Service Co.	U.S.	375,259	375,259	-	-	148,700	148,700	-	-	226,559	226,559	-	-
2009	RFC	1164	Ontonagon County Rural Electrification A	U.S.	657	657	-	-	260	260	-	-	396	396	-	-
2009	RFC	1555	Penn Power	U.S.	52,241	52,241	-	-	20,701	20,701	-	-	31,540	31,540	-	-
2009	RFC	1265	PJM Interconnection, LLC	U.S.	14,001,471	14,001,471	-	-	5,548,231	5,548,231	-	-	8,453,240	8,453,240	-	-
2009	RFC	1167	Public Lighting Department of Detroit	U.S.	-	-	-	-	-	-	-	-	-	-	-	-
2009	RFC	1170	Ripley	U.S.	449	449	-	-	178	178	-	-	271	271	-	-
2009	RFC	1580	Sempra Energy Solutions (ATSI)	U.S.	9,700	9,700	-	-	3,844	3,844	-	-	5,856	5,856	-	-
2009	RFC	1615	Sempra Energy Solutions (DUKE-CIN)	U.S.	14	14	-	-	6	6	-	-	9	9	-	-
2009	RFC	1172	Sempra Energy Solutions (MECS-CONS)	U.S.	13,205	13,205	-	-	5,233	5,233	-	-	7,972	7,972	-	-
2009	RFC	1171	Sempra Energy Solutions (MECS-DET)	U.S.	6,427	6,427	-	-	2,547	2,547	-	-	3,880	3,880	-	-
2009	RFC	1173	Direct Energy (fka:Strategic Energy) (AT	U.S.	6,921	6,921	-	-	2,743	2,743	-	-	4,179	4,179	-	-
2009	RFC	1175	Direct Energy (fka:Strategic Energy LLC)	U.S.	6,142	6,142	-	-	2,434	2,434	-	-	3,708	3,708	-	-
2009	RFC	1176	Direct Energy (fka:Strategic Energy,LLC)	U.S.	273	273	-	-	108	108	-	-	165	165	-	-
2009	RFC	1174	Direct Energy (fka:Strategic Energy,LLC)	U.S.	6,155	6,155	-	-	2,439	2,439	-	-	3,716	3,716	-	-
2009	RFC	1616	Smart Paper Holdings	U.S.	153	153	-	-	61	61	-	-	92	92	-	-
2009	RFC	1581	Spartan Renewable Energy	U.S.	1,524	1,524	-	-	604	604	-	-	920	920	-	-
2009	RFC	1180	Thumb Electric Cooperative	U.S.	3,852	3,852	-	-	1,526	1,526	-	-	2,325	2,325	-	-
2009	RFC	1181	Vectren Energy Delivery of IN	U.S.	126,791	126,791	-	-	50,242	50,242	-	-	76,549	76,549	-	-
2009	RFC	1099	Village of Blanchester	U.S.	1,848	1,848	-	-	732	732	-	-	1,115	1,115	-	-
2009	RFC	1183	Village of Sebewaing	U.S.	1,047	1,047	-	-	415	415	-	-	632	632	-	-
2009	RFC	1184	Wabash Valley Power Association Inc. (I	U.S.	60,907	60,907	-	-	24,135	24,135	-	-	36,772	36,772	-	-
2009	RFC	1487	Wabash Valley Power Association Inc. (I	U.S.	3,993	3,993	-	-	1,582	1,582	-	-	2,411	2,411	-	-
2009	RFC	1488	Wabash Valley Power Association Inc.(N	U.S.	37,183	37,183	-	-	14,734	14,734	-	-	22,449	22,449	-	-
2009	RFC	1185	Wisconsin Electric Power Co.	U.S.	652,295	652,295	-	-	258,479	258,479	-	-	393,816	393,816	-	-
2009	RFC	1189	Wolverine Power Marketing Cooperative	U.S.	23,634	23,634	-	-	9,365	9,365	-	-	14,269	14,269	-	-
2009	RFC	1191	Wolverine Power Supply Cooperative	U.S.	58,175	58,175	-	-	23,053	23,053	-	-	35,123	35,123	-	-
2009	RFC	1190	Wolverine Power Marketing Cooperative	U.S.	2,396	2,396	-	-	950	950	-	-	1,447	1,447	-	-
2009	RFC	1194	Zelienople	U.S.	756	756	-	-	299	299	-	-	456	456	-	-
TOTAL RELIABILITYFIRST					21,207,566	21,207,566	-	-	8,403,722	8,403,722	-	-	12,803,844	12,803,844	-	-

2009 NEL Calculations and Allocations to Load Serving Entities (or Designee) for the 2011 NERC and RE Assessments

Data Year	Regional Entity	ID	Entity	Country	Total ERO Assessments (NERC, RE & WIRAB Costs)				Total NERC Assessments				Total Regional Entity Assessments (Including WIRAB Assessments)			
					Total	US Total	Canada Total	Mexico Total	Total	US Total	Canada Total	Mexico Total	Total	US Total	Canada Total	Mexico Total
2009	SERC	1267	Alabama Municipal Electric Authority	U.S.	71,709	71,709	-	-	33,349	33,349	-	-	38,360	38,360	-	-
2009	SERC	1268	Alabama Power Company	U.S.	1,092,876	1,092,876	-	-	508,255	508,255	-	-	584,621	584,621	-	-
2009	SERC	1269	Ameren - Illinois	U.S.	816,847	816,847	-	-	379,884	379,884	-	-	436,962	436,962	-	-
2009	SERC	1271	Ameren - Missouri	U.S.	795,005	795,005	-	-	369,727	369,727	-	-	425,279	425,279	-	-
2009	SERC	1272	APGI - Yadkin Division	U.S.	651	651	-	-	303	303	-	-	348	348	-	-
2009	SERC	1273	Associated Electric Cooperative Inc.	U.S.	382,623	382,623	-	-	177,943	177,943	-	-	204,679	204,679	-	-
2009	SERC	1582	Beauregard Electric Cooperative, Inc.	U.S.	20,913	20,913	-	-	9,726	9,726	-	-	11,187	11,187	-	-
2009	SERC	1462	Benton Utility District	U.S.	5,319	5,319	-	-	2,474	2,474	-	-	2,845	2,845	-	-
2009	SERC	1274	Big Rivers Electric Corporation	U.S.	200,330	200,330	-	-	93,166	93,166	-	-	107,164	107,164	-	-
2009	SERC	1275	Black Warrior EMC	U.S.	8,394	8,394	-	-	3,904	3,904	-	-	4,490	4,490	-	-
2009	SERC	1276	Blue Ridge EMC	U.S.	23,146	23,146	-	-	10,764	10,764	-	-	12,382	12,382	-	-
2009	SERC	1463	Canton, MS	U.S.	2,471	2,471	-	-	1,149	1,149	-	-	1,322	1,322	-	-
2009	SERC	1277	Central Electric Power Cooperative Inc.	U.S.	311,351	311,351	-	-	144,797	144,797	-	-	166,553	166,553	-	-
2009	SERC	1278	City of Blountstown FL	U.S.	804	804	-	-	374	374	-	-	430	430	-	-
2009	SERC	1279	City of Camden SC	U.S.	4,122	4,122	-	-	1,917	1,917	-	-	2,205	2,205	-	-
2009	SERC	1280	City of Collins MS	U.S.	905	905	-	-	421	421	-	-	484	484	-	-
2009	SERC	1281	City of Columbia MO	U.S.	27,670	27,670	-	-	12,868	12,868	-	-	14,802	14,802	-	-
2009	SERC	1282	City of Conway AR (Conway Corporation)	U.S.	19,343	19,343	-	-	8,996	8,996	-	-	10,347	10,347	-	-
2009	SERC	1284	City of Evergreen AL	U.S.	1,248	1,248	-	-	580	580	-	-	668	668	-	-
2009	SERC	1285	City of Hampton GA	U.S.	496	496	-	-	231	231	-	-	265	265	-	-
2009	SERC	1286	City of Hartford AL	U.S.	630	630	-	-	293	293	-	-	337	337	-	-
2009	SERC	1287	City of Henderson (KY) Municipal Power	U.S.	13,268	13,268	-	-	6,171	6,171	-	-	7,098	7,098	-	-
2009	SERC	1288	City of North Little Rock AR (DENL)	U.S.	19,429	19,429	-	-	9,036	9,036	-	-	10,393	10,393	-	-
2009	SERC	1289	City of Orangeburg SC Department of Pu	U.S.	18,653	18,653	-	-	8,675	8,675	-	-	9,978	9,978	-	-
2009	SERC	1290	City of Robertsdale AL	U.S.	1,701	1,701	-	-	791	791	-	-	910	910	-	-
2009	SERC	1291	City of Ruston LA (DERS)	U.S.	5,440	5,440	-	-	2,530	2,530	-	-	2,910	2,910	-	-
2009	SERC	1292	City of Seneca SC	U.S.	3,081	3,081	-	-	1,433	1,433	-	-	1,648	1,648	-	-
2009	SERC	1115	City of Springfield (CWLP)	U.S.	36,568	36,568	-	-	17,006	17,006	-	-	19,561	19,561	-	-
2009	SERC	1465	City of Thayer, MO	U.S.	317	317	-	-	148	148	-	-	170	170	-	-
2009	SERC	1293	City of Troy AL	U.S.	7,447	7,447	-	-	3,464	3,464	-	-	3,984	3,984	-	-
2009	SERC	1294	City of West Memphis AR (West Memphi	U.S.	7,999	7,999	-	-	3,720	3,720	-	-	4,279	4,279	-	-
2009	SERC	1583	Claiborne Electric Cooperative, Inc.	U.S.	12,239	12,239	-	-	5,692	5,692	-	-	6,547	6,547	-	-
2009	SERC	1584	Concordia Electric Cooperative, Inc.	U.S.	4,989	4,989	-	-	2,320	2,320	-	-	2,669	2,669	-	-
2009	SERC	1283	Dalton Utilities	U.S.	29,701	29,701	-	-	13,813	13,813	-	-	15,888	15,888	-	-
2009	SERC	1585	Dixie Electric Membership Corporation	U.S.	44,693	44,693	-	-	20,785	20,785	-	-	23,908	23,908	-	-
2009	SERC	1295	Dominion Virginia Power	U.S.	1,678,292	1,678,292	-	-	780,509	780,509	-	-	897,782	897,782	-	-
2009	SERC	1296	Duke Energy Carolinas, LLC	U.S.	1,629,198	1,629,198	-	-	757,678	757,678	-	-	871,520	871,520	-	-
2009	SERC	1466	Durant, MS	U.S.	622	622	-	-	289	289	-	-	332	332	-	-
2009	SERC	1478	E.ON U.S. Services Inc.	U.S.	676,989	676,989	-	-	314,842	314,842	-	-	362,147	362,147	-	-
2009	SERC	1297	East Kentucky Power Cooperative	U.S.	249,245	249,245	-	-	115,914	115,914	-	-	133,331	133,331	-	-
2009	SERC	1298	East Mississippi Electric Power Associati	U.S.	8,875	8,875	-	-	4,127	4,127	-	-	4,747	4,747	-	-
2009	SERC	1299	Electric Energy Inc.	U.S.	26,703	26,703	-	-	12,419	12,419	-	-	14,284	14,284	-	-
2009	SERC	1300	EnergyUnited EMC	U.S.	48,353	48,353	-	-	22,487	22,487	-	-	25,866	25,866	-	-
2009	SERC	1301	Entergy	U.S.	2,199,315	2,199,315	-	-	1,022,817	1,022,817	-	-	1,176,497	1,176,497	-	-
2009	SERC	1302	Fayetteville (NC) Public Works Commissi	U.S.	45,036	45,036	-	-	20,944	20,944	-	-	24,091	24,091	-	-
2009	SERC	1303	Florida Public Utilities (FL Panhandle Loa	U.S.	7,037	7,037	-	-	3,273	3,273	-	-	3,764	3,764	-	-
2009	SERC	1304	French Broad EMC	U.S.	10,407	10,407	-	-	4,840	4,840	-	-	5,567	5,567	-	-
2009	SERC	1305	Georgia Power Company	U.S.	1,719,948	1,719,948	-	-	799,882	799,882	-	-	920,066	920,066	-	-
2009	SERC	1306	Georgia System Optns Corporation	U.S.	763,558	763,558	-	-	355,102	355,102	-	-	408,457	408,457	-	-
2009	SERC	1479	Greenwood (MS) Utilities Commission	U.S.	5,685	5,685	-	-	2,644	2,644	-	-	3,041	3,041	-	-
2009	SERC	1307	Greenwood (SC) Commissioners of Publi	U.S.	6,678	6,678	-	-	3,106	3,106	-	-	3,572	3,572	-	-
2009	SERC	1308	Gulf Power Company	U.S.	235,060	235,060	-	-	109,318	109,318	-	-	125,743	125,743	-	-
2009	SERC	1586	Haywood EMC	U.S.	6,134	6,134	-	-	2,853	2,853	-	-	3,281	3,281	-	-
2009	SERC	1309	Illinois Municipal Electric Agency	U.S.	36,449	36,449	-	-	16,951	16,951	-	-	19,498	19,498	-	-
2009	SERC	1480	Itta Bena, MS	U.S.	321	321	-	-	149	149	-	-	172	172	-	-
2009	SERC	1587	Jefferson Davis Electric Cooperative, Inc.	U.S.	4,538	4,538	-	-	2,111	2,111	-	-	2,428	2,428	-	-
2009	SERC	1617	Kentucky Municipal Power	U.S.	14,563	14,563	-	-	6,772	6,772	-	-	7,790	7,790	-	-
2009	SERC	1481	Kosciusko, MS	U.S.	1,471	1,471	-	-	684	684	-	-	787	787	-	-
2009	SERC	1482	Leland, MS	U.S.	648	648	-	-	301	301	-	-	347	347	-	-
2009	SERC	1313	McCormick Commission of Public Works	U.S.	461	461	-	-	214	214	-	-	247	247	-	-

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Data Year	Regional Entity	ID	Entity	Country	Total ERO Assessments (NERC, RE & WIRAB Costs)				Total NERC Assessments				Total Regional Entity Assessments (Including WIRAB Assessments)			
					Total	US Total	Canada Total	Mexico Total	Total	US Total	Canada Total	Mexico Total	Total	US Total	Canada Total	Mexico Total
2009	SERC	1314	Mississippi Power Company	U.S.	200,927	200,927	-	-	93,444	93,444	-	-	107,484	107,484	-	-
2009	SERC	1315	Municipal Electric Authority of Georgia	U.S.	212,971	212,971	-	-	99,045	99,045	-	-	113,926	113,926	-	-
2009	SERC	1316	N.C. Electric Membership Corp.	U.S.	248,727	248,727	-	-	115,673	115,673	-	-	133,054	133,054	-	-
2009	SERC	1317	North Carolina Eastern Municipal Power	U.S.	148,993	148,993	-	-	69,291	69,291	-	-	79,702	79,702	-	-
2009	SERC	1318	North Carolina Municipal Power Agency	U.S.	92,874	92,874	-	-	43,192	43,192	-	-	49,682	49,682	-	-
2009	SERC	1588	Northeast Louisiana Power Cooperative	U.S.	5,597	5,597	-	-	2,603	2,603	-	-	2,994	2,994	-	-
2009	SERC	1574	Northern Virginia Electric Cooperative	U.S.	70,446	70,446	-	-	32,762	32,762	-	-	37,684	37,684	-	-
2009	SERC	1319	Old Dominion Electric Cooperative	U.S.	112,479	112,479	-	-	52,309	52,309	-	-	60,169	60,169	-	-
2009	SERC	1618	Osceola (Arkansas) Municipal Light and	U.S.	5,419	5,419	-	-	2,520	2,520	-	-	2,899	2,899	-	-
2009	SERC	1320	Owensboro (KY) Municipal Utilities	U.S.	17,716	17,716	-	-	8,239	8,239	-	-	9,477	9,477	-	-
2009	SERC	1321	Piedmont EMC in Duke and Progress Ar	U.S.	10,202	10,202	-	-	4,745	4,745	-	-	5,458	5,458	-	-
2009	SERC	1323	Piedmont Municipal Power Agency (PMP	U.S.	46,072	46,072	-	-	21,427	21,427	-	-	24,646	24,646	-	-
2009	SERC	1589	Pointe Coupee Electric Memb. Corp.	U.S.	5,340	5,340	-	-	2,483	2,483	-	-	2,857	2,857	-	-
2009	SERC	1266	PowerSouth Energy	U.S.	166,805	166,805	-	-	77,575	77,575	-	-	89,231	89,231	-	-
2009	SERC	1330	Prairie Power, Inc.	U.S.	31,035	31,035	-	-	14,433	14,433	-	-	16,602	16,602	-	-
2009	SERC	1324	Progress Energy Carolinas	U.S.	919,786	919,786	-	-	427,757	427,757	-	-	492,029	492,029	-	-
2009	SERC	1325	Rutherford EMC	U.S.	25,493	25,493	-	-	11,856	11,856	-	-	13,637	13,637	-	-
2009	SERC	1326	South Carolina Electric & Gas Company	U.S.	448,181	448,181	-	-	208,432	208,432	-	-	239,749	239,749	-	-
2009	SERC	1327	South Carolina Public Service Authority	U.S.	144,199	144,199	-	-	67,061	67,061	-	-	77,137	77,137	-	-
2009	SERC	1590	South Louisiana Electric Cooperative Ass	U.S.	12,174	12,174	-	-	5,662	5,662	-	-	6,512	6,512	-	-
2009	SERC	1328	South Mississippi Electric Power Associat	U.S.	199,778	199,778	-	-	92,909	92,909	-	-	106,869	106,869	-	-
2009	SERC	1329	Southern Illinois Power Cooperative	U.S.	29,850	29,850	-	-	13,882	13,882	-	-	15,968	15,968	-	-
2009	SERC	1591	Southwest Louisiana Electric Membership	U.S.	48,894	48,894	-	-	22,739	22,739	-	-	26,155	26,155	-	-
2009	SERC	1619	Southwestern Electric Cooperative, Inc.	U.S.	8,319	8,319	-	-	3,869	3,869	-	-	4,450	4,450	-	-
2009	SERC	1331	Tennessee Valley Authority	U.S.	3,334,478	3,334,478	-	-	1,550,739	1,550,739	-	-	1,783,740	1,783,740	-	-
2009	SERC	1332	Tombigbee Electric Cooperative Inc.	U.S.	2,638	2,638	-	-	1,227	1,227	-	-	1,411	1,411	-	-
2009	SERC	1592	Town of Black Creek, N.C.	U.S.	253	253	-	-	118	118	-	-	135	135	-	-
2009	SERC	1593	Town of Lucama, N.C.	U.S.	423	423	-	-	197	197	-	-	226	226	-	-
2009	SERC	1594	Town of Sharpsburg, N.C.	U.S.	434	434	-	-	202	202	-	-	232	232	-	-
2009	SERC	1595	Town of Stantonburg, N.C.	U.S.	466	466	-	-	217	217	-	-	249	249	-	-
2009	SERC	1333	Town of Waynesville NC	U.S.	1,961	1,961	-	-	912	912	-	-	1,049	1,049	-	-
2009	SERC	1334	Town of Winstboro SC	U.S.	1,533	1,533	-	-	713	713	-	-	820	820	-	-
2009	SERC	1335	Town of Winterville NC	U.S.	1,037	1,037	-	-	482	482	-	-	555	555	-	-
2009	SERC	1596	Valley Electric Membership Corporation,	U.S.	3,375	3,375	-	-	1,569	1,569	-	-	1,805	1,805	-	-
2009	SERC	1597	Washington-St.Tammany Electric Coope	U.S.	22,213	22,213	-	-	10,331	10,331	-	-	11,883	11,883	-	-
TOTAL SERC					19,949,050	19,949,050	-	-	9,277,542	9,277,542	-	-	10,671,508	10,671,508	-	-
2009	SPP	1246	American Electric Power	U.S.	1,900,912	1,900,912	-	-	351,407	351,407	-	-	1,549,506	1,549,506	-	-
2009	SPP	1435	Arkansas Electric Cooperative Corporati	U.S.	205,903	205,903	-	-	38,064	38,064	-	-	167,840	167,840	-	-
2009	SPP	1247	Board of Public Utilities (Kansas City KS	U.S.	130,534	130,534	-	-	24,131	24,131	-	-	106,403	106,403	-	-
2009	SPP	1620	Board of Public Utilities, City of McPhers	U.S.	46,604	46,604	-	-	8,615	8,615	-	-	37,989	37,989	-	-
2009	SPP	1468	Cap Rock Energy	U.S.	44,436	44,436	-	-	8,215	8,215	-	-	36,221	36,221	-	-
2009	SPP	1469	Central Valley Electric Cooperative	U.S.	41,966	41,966	-	-	7,758	7,758	-	-	34,208	34,208	-	-
2009	SPP	1556	City of Bentonville	U.S.	30,918	30,918	-	-	5,716	5,716	-	-	25,203	25,203	-	-
2009	SPP	1557	City of Clarksdale, Mississippi	U.S.	9,379	9,379	-	-	1,734	1,734	-	-	7,645	7,645	-	-
2009	SPP	1558	Hope Water & Light (HWL)	U.S.	15,684	15,684	-	-	2,899	2,899	-	-	12,785	12,785	-	-
2009	SPP	1559	City of Minden	U.S.	9,206	9,206	-	-	1,702	1,702	-	-	7,504	7,504	-	-
2009	SPP	1248	Independence Power & Light (Independ	U.S.	59,340	59,340	-	-	10,970	10,970	-	-	48,370	48,370	-	-
2009	SPP	1436	City Utilities of Springfield, MO	U.S.	169,791	169,791	-	-	31,388	31,388	-	-	138,403	138,403	-	-
2009	SPP	1249	Cleco Power LLC	U.S.	605,832	605,832	-	-	111,995	111,995	-	-	493,836	493,836	-	-
2009	SPP	1437	East Texas Electric Coop, Inc.	U.S.	22,238	22,238	-	-	4,111	4,111	-	-	18,127	18,127	-	-
2009	SPP	1250	The Empire District Electric Company	U.S.	289,252	289,252	-	-	53,472	53,472	-	-	235,780	235,780	-	-
2009	SPP	1470	Farmers' Electric Coop	U.S.	22,447	22,447	-	-	4,150	4,150	-	-	18,297	18,297	-	-
2009	SPP	1438	Golden Spread Electric Coop	U.S.	245,622	245,622	-	-	45,406	45,406	-	-	200,216	200,216	-	-
2009	SPP	1251	Grand River Dam Authority	U.S.	235,428	235,428	-	-	43,522	43,522	-	-	191,906	191,906	-	-
2009	SPP	1252	Kansas City Power & Light (KCPL)	U.S.	858,802	858,802	-	-	158,760	158,760	-	-	700,042	700,042	-	-
2009	SPP	1439	Kansas Electric Power Coop., Inc	U.S.	111,776	111,776	-	-	20,663	20,663	-	-	91,113	91,113	-	-
2009	SPP	1440	Kansas Municipal Energy Agency (KCPL	U.S.	39,788	39,788	-	-	7,355	7,355	-	-	32,432	32,432	-	-
2009	SPP	1598	KCP&L GMOOC (Greater Missouri Operat	U.S.	463,770	463,770	-	-	85,734	85,734	-	-	378,037	378,037	-	-
2009	SPP	1471	Lafayette Utilities System	U.S.	114,325	114,325	-	-	21,134	21,134	-	-	93,190	93,190	-	-

2009 NEL Calculations and Allocations to Load Serving Entities (or Designee) for the 2011 NERC and RE Assessments

Data Year	Regional Entity	ID	Entity	Country	Total ERO Assessments (NERC, RE & WIRAB Costs)				Total NERC Assessments				Total Regional Entity Assessments (Including WIRAB Assessments)			
					Total	US Total	Canada Total	Mexico Total	Total	US Total	Canada Total	Mexico Total	Total	US Total	Canada Total	Mexico Total
2009	SPP	1472	Lea County Electric Coop	U.S.	67,896	67,896	-	-	12,551	12,551	-	-	55,344	55,344	-	-
2009	SPP	1253	Louisiana Energy & Power Authority (LE	U.S.	-	-	-	-	-	-	-	-	-	-	-	-
2009	SPP	1441	Midwest Energy Inc.	U.S.	88,173	88,173	-	-	16,300	16,300	-	-	71,873	71,873	-	-
2009	SPP	1443	Missouri Joint Municipal Electric Utility C	U.S.	121,239	121,239	-	-	22,413	22,413	-	-	98,827	98,827	-	-
2009	SPP	1442	Northeast Texas Electric Cooperative, In	U.S.	165,096	165,096	-	-	30,520	30,520	-	-	134,576	134,576	-	-
2009	SPP	1255	Oklahoma Gas and Electric Co.	U.S.	1,521,416	1,521,416	-	-	281,252	281,252	-	-	1,240,164	1,240,164	-	-
2009	SPP	1444	Oklahoma Municipal Power Authority	U.S.	137,637	137,637	-	-	25,444	25,444	-	-	112,193	112,193	-	-
2009	SPP	1561	Public Service Commission of Yazoo Cit	U.S.	6,556	6,556	-	-	1,212	1,212	-	-	5,344	5,344	-	-
2009	SPP	1473	Roosevelt County Electric Coop	U.S.	11,858	11,858	-	-	2,192	2,192	-	-	9,666	9,666	-	-
2009	SPP	1258	Southwestern Power Administration (SP	U.S.	220,496	220,496	-	-	40,761	40,761	-	-	179,735	179,735	-	-
2009	SPP	1257	Southwestern Public Service Co. (SPS->)	U.S.	1,075,260	1,075,260	-	-	198,775	198,775	-	-	876,485	876,485	-	-
2009	SPP	1256	Sunflower Electric Cooperative (SECI)	U.S.	293,449	293,449	-	-	54,248	54,248	-	-	239,201	239,201	-	-
2009	SPP	1445	Tex - La Electric Cooperative of Texas	U.S.	25,374	25,374	-	-	4,691	4,691	-	-	20,683	20,683	-	-
2009	SPP	1475	Tri County Electric Coop	U.S.	22,157	22,157	-	-	4,096	4,096	-	-	18,061	18,061	-	-
2009	SPP	1260	Westar Energy, Inc.	U.S.	1,215,377	1,215,377	-	-	224,677	224,677	-	-	990,700	990,700	-	-
2009	SPP	1259	Western Farmers Electric Cooperative	U.S.	406,552	406,552	-	-	75,156	75,156	-	-	331,396	331,396	-	-
2009	SPP	1501	West Texas Municipal Power Agency	U.S.	105,114	105,114	-	-	19,432	19,432	-	-	85,682	85,682	-	-
			TOTAL SPP		11,157,603	11,157,603	-	-	2,062,618	2,062,618	-	-	9,094,985	9,094,985	-	-
2009	TRE	1019	ERCOT	U.S.	11,974,880	11,974,880	-	-	2,747,057	2,747,057	-	-	9,227,823	9,227,823	-	-
					11,974,880	11,974,880	-	-	2,747,057	2,747,057	-	-	9,227,823	9,227,823	-	-
2009	WECC		Alberta Electric System Operator	Canada	2,779,541	-	2,779,541	-	521,236	-	521,236	-	2,258,305	-	2,258,305	-
2009	WECC		British Columbia Transmission Corporatic	Canada	3,519,662	-	3,519,662	-	699,689	-	699,689	-	2,819,973	-	2,819,973	-
2009	WECC		Comision Federal de Electricidad	Mexico	624,217	-	-	624,217	124,091	-	124,091	500,126	-	-	500,126	-
2009	WECC		Agua Irrigation District	U.S.	1,539	1,539	-	-	253	253	-	-	1,286	1,286	-	-
2009	WECC		Aha Macav Power Service	U.S.	1,347	1,347	-	-	221	221	-	-	1,125	1,125	-	-
2009	WECC		Ajo Improvement District	U.S.	755	755	-	-	124	124	-	-	631	631	-	-
2009	WECC		Ak-Chin	U.S.	1,675	1,675	-	-	275	275	-	-	1,400	1,400	-	-
2009	WECC		ALCOA INC.	U.S.	134,934	134,934	-	-	22,158	22,158	-	-	112,776	112,776	-	-
2009	WECC		Arizona Public Service Company	U.S.	1,666,570	1,666,570	-	-	273,675	273,675	-	-	1,392,895	1,392,895	-	-
2009	WECC		Arkansas River Power Authority (ARPA)	U.S.	13,414	13,414	-	-	2,203	2,203	-	-	11,211	11,211	-	-
2009	WECC		Arlington Valley	U.S.	64	64	-	-	11	11	-	-	54	54	-	-
2009	WECC		Avista Adjusted LSE NEL	U.S.	517,327	517,327	-	-	84,953	84,953	-	-	432,374	432,374	-	-
2009	WECC		AVISTA CORPORATION	U.S.	12,546	12,546	-	-	2,060	2,060	-	-	10,486	10,486	-	-
2009	WECC		Barrick Gold Strike	U.S.	68,045	68,045	-	-	11,174	11,174	-	-	56,871	56,871	-	-
2009	WECC		Basin Electric Power Cooperative	U.S.	166,149	166,149	-	-	27,284	27,284	-	-	138,865	138,865	-	-
2009	WECC		Basin Electric Power Cooperative (WAUV	U.S.	3,121	3,121	-	-	513	513	-	-	2,609	2,609	-	-
2009	WECC		BENTON REA	U.S.	31,591	31,591	-	-	5,188	5,188	-	-	26,404	26,404	-	-
2009	WECC		Big Bend Electric Cooperative, Inc. (Avist	U.S.	10,114	10,114	-	-	1,661	1,661	-	-	8,453	8,453	-	-
2009	WECC		BIG BEND ELECTRIC COOPERATIVE, I	U.S.	18,808	18,808	-	-	3,089	3,089	-	-	15,720	15,720	-	-
2009	WECC		BLACHLY-LANE ELECTRIC COOPERA*	U.S.	7,709	7,709	-	-	1,266	1,266	-	-	6,443	6,443	-	-
2009	WECC		Black Hills Power	U.S.	101,073	101,073	-	-	16,598	16,598	-	-	84,476	84,476	-	-
2009	WECC		Black Hills State University (State of SD)	U.S.	945	945	-	-	155	155	-	-	790	790	-	-
2009	WECC		Black Hills Wyoming, Inc.	U.S.	242,160	242,160	-	-	39,766	39,766	-	-	202,394	202,394	-	-
2009	WECC		Bonneville Power (NorthWestern Energy)	U.S.	1,679	1,679	-	-	276	276	-	-	1,403	1,403	-	-
2009	WECC		Bonneville Power (PUD No. 2)	U.S.	7,618	7,618	-	-	1,251	1,251	-	-	6,367	6,367	-	-
2009	WECC		Bonneville Power Administration (Avista)	U.S.	898	898	-	-	148	148	-	-	751	751	-	-
2009	WECC		Bonneville Power Administration	U.S.	206,831	206,831	-	-	33,965	33,965	-	-	172,866	172,866	-	-
2009	WECC		BPA	U.S.	10,640	10,640	-	-	1,747	1,747	-	-	8,893	8,893	-	-
2009	WECC		BPA - Power Business Line	U.S.	403	403	-	-	66	66	-	-	337	337	-	-
2009	WECC		Buckeye Water Conservation and Draina	U.S.	971	971	-	-	159	159	-	-	812	812	-	-
2009	WECC		California ISO	U.S.	12,581,844	12,581,844	-	-	2,066,123	2,066,123	-	-	10,515,721	10,515,721	-	-
2009	WECC		Canby Public Utility Board	U.S.	9,658	9,658	-	-	1,586	1,586	-	-	8,072	8,072	-	-
2009	WECC		Central Arizona Water Conservation Dist	U.S.	143,483	143,483	-	-	23,562	23,562	-	-	119,921	119,921	-	-
2009	WECC		CENTRAL ELECTRIC COOPERATIVE, I	U.S.	28,134	28,134	-	-	4,620	4,620	-	-	23,514	23,514	-	-
2009	WECC		CENTRAL LINCOLN PUD	U.S.	72,962	72,962	-	-	11,981	11,981	-	-	60,980	60,980	-	-
2009	WECC		Central Montana	U.S.	3,477	3,477	-	-	571	571	-	-	2,906	2,906	-	-
2009	WECC		CENTRAL MONTANA ELECTRIC POWE	U.S.	4,060	4,060	-	-	667	667	-	-	3,393	3,393	-	-
2009	WECC		CITY OF ALBION	U.S.	194	194	-	-	32	32	-	-	162	162	-	-

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					Total	US Total	Canada Total	Mexico Total	Total	US Total	Canada Total	Mexico Total	Total	US Total	Canada Total	Mexico Total
2009	WECC		City of Aztec	U.S.	2,076	2,076	-	-	341	341	-	-	1,735	1,735	-	-
2009	WECC		CITY OF BANDON	U.S.	3,655	3,655	-	-	600	600	-	-	3,055	3,055	-	-
2009	WECC		CITY OF BONNERS FERRY	U.S.	3,791	3,791	-	-	623	623	-	-	3,168	3,168	-	-
2009	WECC		City of Boulder	U.S.	9,664	9,664	-	-	1,587	1,587	-	-	8,077	8,077	-	-
2009	WECC		CITY OF BURLEY	U.S.	6,590	6,590	-	-	1,082	1,082	-	-	5,508	5,508	-	-
2009	WECC		City of Burlington	U.S.	1,661	1,661	-	-	273	273	-	-	1,388	1,388	-	-
2009	WECC		CITY OF CASCADE LOCKS	U.S.	1,170	1,170	-	-	192	192	-	-	978	978	-	-
2009	WECC		CITY OF CENTRALIA	U.S.	15,040	15,040	-	-	2,470	2,470	-	-	12,570	12,570	-	-
2009	WECC		CITY OF CHENEY	U.S.	7,457	7,457	-	-	1,225	1,225	-	-	6,233	6,233	-	-
2009	WECC		CITY OF CHEWELAH	U.S.	1,341	1,341	-	-	220	220	-	-	1,121	1,121	-	-
2009	WECC		CITY OF DECLO	U.S.	162	162	-	-	27	27	-	-	136	136	-	-
2009	WECC		CITY OF DRAIN	U.S.	950	950	-	-	156	156	-	-	794	794	-	-
2009	WECC		CITY OF ELLENSBURG	U.S.	12,058	12,058	-	-	1,980	1,980	-	-	10,078	10,078	-	-
2009	WECC		City of Fallon	U.S.	6,334	6,334	-	-	1,040	1,040	-	-	5,294	5,294	-	-
2009	WECC		CITY OF FOREST GROVE	U.S.	13,439	13,439	-	-	2,207	2,207	-	-	11,232	11,232	-	-
2009	WECC		City of Gallup	U.S.	12,316	12,316	-	-	2,022	2,022	-	-	10,294	10,294	-	-
2009	WECC		CITY OF HERMISTON DBA HERMISTON	U.S.	6,201	6,201	-	-	1,018	1,018	-	-	5,182	5,182	-	-
2009	WECC		CITY OF HEYBURN	U.S.	2,189	2,189	-	-	359	359	-	-	1,829	1,829	-	-
2009	WECC		City of Las Vegas	U.S.	470	470	-	-	77	77	-	-	393	393	-	-
2009	WECC		CITY OF MCCLEARY	U.S.	1,860	1,860	-	-	305	305	-	-	1,554	1,554	-	-
2009	WECC		CITY OF MCMINNVILLE	U.S.	38,317	38,317	-	-	6,292	6,292	-	-	32,024	32,024	-	-
2009	WECC		CITY OF MILTON	U.S.	3,570	3,570	-	-	586	586	-	-	2,983	2,983	-	-
2009	WECC		CITY OF MILTON-FREEWATER	U.S.	6,474	6,474	-	-	1,063	1,063	-	-	5,410	5,410	-	-
2009	WECC		CITY OF MINIDOKA	U.S.	55	55	-	-	9	9	-	-	46	46	-	-
2009	WECC		CITY OF MONMOUTH	U.S.	3,946	3,946	-	-	648	648	-	-	3,298	3,298	-	-
2009	WECC		City of Needles	U.S.	2,138	2,138	-	-	351	351	-	-	1,787	1,787	-	-
2009	WECC		CITY OF PLUMMER	U.S.	1,893	1,893	-	-	311	311	-	-	1,583	1,583	-	-
2009	WECC		CITY OF PORT ANGELES	U.S.	37,625	37,625	-	-	6,179	6,179	-	-	31,447	31,447	-	-
2009	WECC		City of Redding	U.S.	35,526	35,526	-	-	5,834	5,834	-	-	29,692	29,692	-	-
2009	WECC		CITY OF RICHLAND	U.S.	47,303	47,303	-	-	7,768	7,768	-	-	39,536	39,536	-	-
2009	WECC		City of Roseville	U.S.	68,937	68,937	-	-	11,320	11,320	-	-	57,616	57,616	-	-
2009	WECC		CITY OF RUPERT	U.S.	4,460	4,460	-	-	732	732	-	-	3,728	3,728	-	-
2009	WECC		City of Shasta Lake	U.S.	9,756	9,756	-	-	1,602	1,602	-	-	8,154	8,154	-	-
2009	WECC		CITY OF TACOMA DBA TACOMA POWE	U.S.	21	21	-	-	3	3	-	-	18	18	-	-
2009	WECC		CITY OF TROY	U.S.	967	967	-	-	159	159	-	-	808	808	-	-
2009	WECC		CITY OF WEISER	U.S.	2,984	2,984	-	-	490	490	-	-	2,494	2,494	-	-
2009	WECC		City of Williams	U.S.	2,145	2,145	-	-	352	352	-	-	1,792	1,792	-	-
2009	WECC		CLARK PUBLIC UTILITIES	U.S.	248,749	248,749	-	-	40,848	40,848	-	-	207,901	207,901	-	-
2009	WECC		CLATSKANIE PUD	U.S.	53,031	53,031	-	-	8,709	8,709	-	-	44,323	44,323	-	-
2009	WECC		CLEARWATER COOPERATIVE, INC	U.S.	2,408	2,408	-	-	395	395	-	-	2,013	2,013	-	-
2009	WECC		Clearwater Power Company	U.S.	8,775	8,775	-	-	1,441	1,441	-	-	7,334	7,334	-	-
2009	WECC		Colorado River Agency-Bureau of Indian	U.S.	201	201	-	-	33	33	-	-	168	168	-	-
2009	WECC		Colorado River Commission	U.S.	38,509	38,509	-	-	6,324	6,324	-	-	32,185	32,185	-	-
2009	WECC		Colorado Springs Utilities	U.S.	228,315	228,315	-	-	37,493	37,493	-	-	190,822	190,822	-	-
2009	WECC		COLUMBIA BASIN ELECTRIC COOPER	U.S.	5,798	5,798	-	-	952	952	-	-	4,846	4,846	-	-
2009	WECC		COLUMBIA FALLS ALUMINUM COMPAI	U.S.	18,005	18,005	-	-	2,957	2,957	-	-	15,048	15,048	-	-
2009	WECC		COLUMBIA POWER COOPERATIVE AS	U.S.	1,247	1,247	-	-	205	205	-	-	1,042	1,042	-	-
2009	WECC		COLUMBIA REA	U.S.	16,502	16,502	-	-	2,710	2,710	-	-	13,792	13,792	-	-
2009	WECC		COLUMBIA RIVER PUD (BPA)	U.S.	9,172	9,172	-	-	1,506	1,506	-	-	7,666	7,666	-	-
2009	WECC		Columbia River PUD (PGE)	U.S.	17,210	17,210	-	-	2,826	2,826	-	-	14,384	14,384	-	-
2009	WECC		CONSOLIDATED IRRIGATION DISTRIC	U.S.	111	111	-	-	18	18	-	-	93	93	-	-
2009	WECC		Constellation New Energy, Inc.	U.S.	1,597	1,597	-	-	262	262	-	-	1,335	1,335	-	-
2009	WECC		CONSUMERS POWER, INC.	U.S.	22,998	22,998	-	-	3,777	3,777	-	-	19,221	19,221	-	-
2009	WECC		COOS-CURRY ELECTRIC COOPERATI	U.S.	19,076	19,076	-	-	3,132	3,132	-	-	15,943	15,943	-	-
2009	WECC		Deseret Generation & Transmission Co-C	U.S.	3,697	3,697	-	-	607	607	-	-	3,090	3,090	-	-
2009	WECC		Douglas - Palasades	U.S.	1,010	1,010	-	-	166	166	-	-	844	844	-	-
2009	WECC		DOUGLAS ELECTRIC COOPERATIVE,	U.S.	5,248	5,248	-	-	862	862	-	-	4,386	4,386	-	-
2009	WECC		EAST END MUTUAL ELECTRIC COMP/	U.S.	1,219	1,219	-	-	200	200	-	-	1,019	1,019	-	-
2009	WECC		El Paso Electric Company	U.S.	418,184	418,184	-	-	68,672	68,672	-	-	349,512	349,512	-	-
2009	WECC		Electrical District #2	U.S.	9,772	9,772	-	-	1,605	1,605	-	-	8,167	8,167	-	-

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2009	WECC		Electrical District No. 6 of Pinal County	U.S.	65	65	-	-	11	11	-	-	54	54	-	-
2009	WECC		Electrical District No. 7 of Mariopa County	U.S.	1,530	1,530	-	-	251	251	-	-	1,278	1,278	-	-
2009	WECC		Electrical District No. 8 of Mariopa County	U.S.	14,210	14,210	-	-	2,333	2,333	-	-	11,876	11,876	-	-
2009	WECC		Electrical Districts 1 & 3	U.S.	32,039	32,039	-	-	5,261	5,261	-	-	26,777	26,777	-	-
2009	WECC		ELMHURST MUTUAL POWER & LIGHT	U.S.	15,397	15,397	-	-	2,528	2,528	-	-	12,869	12,869	-	-
2009	WECC		EMERALD PUD	U.S.	27,790	27,790	-	-	4,563	4,563	-	-	23,226	23,226	-	-
2009	WECC		ENERGY NORTHWEST	U.S.	2,991	2,991	-	-	491	491	-	-	2,500	2,500	-	-
2009	WECC		EPCOR Merchant and Capital (US) Inc.	U.S.	3,877	3,877	-	-	637	637	-	-	3,240	3,240	-	-
2009	WECC		EUGENE WATER & ELECTRIC BOARD	U.S.	135,417	135,417	-	-	22,238	22,238	-	-	113,180	113,180	-	-
2009	WECC		FARMERS ELECTRIC COMPANY, LTD.	U.S.	244	244	-	-	40	40	-	-	204	204	-	-
2009	WECC		Farmington Electric Utility System	U.S.	61,985	61,985	-	-	10,179	10,179	-	-	51,806	51,806	-	-
2009	WECC		FLATHEAD ELECTRIC COOPERATIVE,	U.S.	76,836	76,836	-	-	12,618	12,618	-	-	64,219	64,219	-	-
2009	WECC		Fredonia, Town of	U.S.	75	75	-	-	12	12	-	-	62	62	-	-
2009	WECC		GLACIER ELECTRIC COOPERATIVE, IN	U.S.	9,877	9,877	-	-	1,622	1,622	-	-	8,255	8,255	-	-
2009	WECC		Grand Valley	U.S.	12,656	12,656	-	-	2,078	2,078	-	-	10,578	10,578	-	-
2009	WECC		Grant LSE Load	U.S.	200,762	200,762	-	-	32,968	32,968	-	-	167,794	167,794	-	-
2009	WECC		Harney Electric Coop	U.S.	4,191	4,191	-	-	688	688	-	-	3,503	3,503	-	-
2009	WECC		HARNEY ELECTRIC COOPERATIVE, IN	U.S.	6,246	6,246	-	-	1,026	1,026	-	-	5,220	5,220	-	-
2009	WECC		Harquahala Valley Power District	U.S.	4,046	4,046	-	-	664	664	-	-	3,381	3,381	-	-
2009	WECC		HERMISTON POWER LLC	U.S.	138	138	-	-	23	23	-	-	115	115	-	-
2009	WECC		Holy Cross	U.S.	53,687	53,687	-	-	8,816	8,816	-	-	44,871	44,871	-	-
2009	WECC		HOOD RIVER ELECTRIC COOPERATIV	U.S.	2,228	2,228	-	-	366	366	-	-	1,862	1,862	-	-
2009	WECC		IDAHO COUNTY LIGHT AND POWER C	U.S.	2,966	2,966	-	-	487	487	-	-	2,479	2,479	-	-
2009	WECC		Idaho Power	U.S.	1,963	1,963	-	-	322	322	-	-	1,640	1,640	-	-
2009	WECC		Imperial Irrigation District	U.S.	198,705	198,705	-	-	32,630	32,630	-	-	166,075	166,075	-	-
2009	WECC		Inland Power & Light Co.	U.S.	25,173	25,173	-	-	4,134	4,134	-	-	21,039	21,039	-	-
2009	WECC		INLAND POWER AND LIGHT COMPAN'	U.S.	26,975	26,975	-	-	4,430	4,430	-	-	22,545	22,545	-	-
2009	WECC		IPCO	U.S.	826,282	826,282	-	-	135,688	135,688	-	-	690,595	690,595	-	-
2009	WECC		IREA-Transmission	U.S.	109,947	109,947	-	-	18,055	18,055	-	-	91,892	91,892	-	-
2009	WECC		Kirtland Air Force Base	U.S.	23,773	23,773	-	-	3,904	3,904	-	-	19,869	19,869	-	-
2009	WECC		Kootenai Electric Cooperative, Inc.	U.S.	25,444	25,444	-	-	4,178	4,178	-	-	21,266	21,266	-	-
2009	WECC		LA Dept. of Water & Power	U.S.	1,585,358	1,585,358	-	-	260,339	260,339	-	-	1,325,019	1,325,019	-	-
2009	WECC		LAKEVIEW LIGHT & POWER	U.S.	15,655	15,655	-	-	2,571	2,571	-	-	13,085	13,085	-	-
2009	WECC		LANE ELECTRIC COOPERATIVE, INC.	U.S.	12,772	12,772	-	-	2,097	2,097	-	-	10,675	10,675	-	-
2009	WECC		Las Vegas Valley Water District (SB211)	U.S.	5,179	5,179	-	-	850	850	-	-	4,329	4,329	-	-
2009	WECC		Lincoln County Power District	U.S.	4,529	4,529	-	-	744	744	-	-	3,785	3,785	-	-
2009	WECC		LINCOLN ELECTRIC COOPERATIVE, IN	U.S.	6,752	6,752	-	-	1,109	1,109	-	-	5,644	5,644	-	-
2009	WECC		Maricopa County Municipal Water Conse	U.S.	2,640	2,640	-	-	434	434	-	-	2,207	2,207	-	-
2009	WECC		McMullen Valley Water Conservation & C	U.S.	3,180	3,180	-	-	522	522	-	-	2,658	2,658	-	-
2009	WECC		Merced Irrigation District	U.S.	23,721	23,721	-	-	3,895	3,895	-	-	19,826	19,826	-	-
2009	WECC		Mesa, City of	U.S.	14,548	14,548	-	-	2,389	2,389	-	-	12,159	12,159	-	-
2009	WECC		MIDSTATE ELECTRIC COOPERATIVE,	U.S.	21,694	21,694	-	-	3,562	3,562	-	-	18,131	18,131	-	-
2009	WECC		MISSION VALLEY POWER	U.S.	22,888	22,888	-	-	3,759	3,759	-	-	19,129	19,129	-	-
2009	WECC		MISSOULA ELECTRIC COOPERATIVE,	U.S.	12,399	12,399	-	-	2,036	2,036	-	-	10,363	10,363	-	-
2009	WECC		Modern Electric Water Co.	U.S.	13,119	13,119	-	-	2,154	2,154	-	-	10,964	10,964	-	-
2009	WECC		Modesto Irrigation District	U.S.	141,725	141,725	-	-	23,273	23,273	-	-	118,452	118,452	-	-
2009	WECC		Montana Dakota Utilities (MDU)	U.S.	1,765	1,765	-	-	290	290	-	-	1,475	1,475	-	-
2009	WECC		Mt. Wheeler Power Inc.	U.S.	27,225	27,225	-	-	4,471	4,471	-	-	22,754	22,754	-	-
2009	WECC		Municipal Energy Agency of Nebraska	U.S.	37,165	37,165	-	-	6,103	6,103	-	-	31,062	31,062	-	-
2009	WECC		Municipal Energy Agency of Nebraska (N	U.S.	18,986	18,986	-	-	3,118	3,118	-	-	15,869	15,869	-	-
2009	WECC		Navajo Tribal Utility Authority (APS)	U.S.	2,227	2,227	-	-	366	366	-	-	1,862	1,862	-	-
2009	WECC		Navajo Tribal Utility Authority (PSCofNM)	U.S.	11,692	11,692	-	-	1,920	1,920	-	-	9,772	9,772	-	-
2009	WECC		Navopache Electric Cooperative, Inc	U.S.	25,652	25,652	-	-	4,212	4,212	-	-	21,440	21,440	-	-
2009	WECC		Nebraska Public Power Marketing	U.S.	192	192	-	-	32	32	-	-	160	160	-	-
2009	WECC		Needles Public Utilities Authority	U.S.	1,987	1,987	-	-	326	326	-	-	1,661	1,661	-	-
2009	WECC		NE SPELEM VALLEY ELECTRIC COOPF	U.S.	2,865	2,865	-	-	470	470	-	-	2,395	2,395	-	-
2009	WECC		Nevada Power Company	U.S.	1,195,274	1,195,274	-	-	196,282	196,282	-	-	998,993	998,993	-	-
2009	WECC		New Harquahala	U.S.	72	72	-	-	12	12	-	-	60	60	-	-
2009	WECC		Northern Lights Inc.	U.S.	1,494	1,494	-	-	245	245	-	-	1,249	1,249	-	-
2009	WECC		NORTHERN LIGHTS, INC.	U.S.	16,720	16,720	-	-	2,746	2,746	-	-	13,974	13,974	-	-

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Data Year	Regional Entity	ID	Entity	Country	Total ERO Assessments (NERC, RE & WIRAB Costs)				Total NERC Assessments				Total Regional Entity Assessments (Including WIRAB Assessments)			
					Total	US Total	Canada Total	Mexico Total	Total	US Total	Canada Total	Mexico Total	Total	US Total	Canada Total	Mexico Total
2009	WECC		NORTHERN WASCO COUNTY PUD	U.S.	32,601	32,601	-	-	5,354	5,354	-	-	27,248	27,248	-	-
2009	WECC		NWMT	U.S.	16,478	16,478	-	-	2,706	2,706	-	-	13,772	13,772	-	-
2009	WECC		OHOP MUTUAL LIGHT COMPANY	U.S.	4,856	4,856	-	-	797	797	-	-	4,059	4,059	-	-
2009	WECC		ORCAS POWER & LIGHT COOPERATI	U.S.	11,709	11,709	-	-	1,923	1,923	-	-	9,786	9,786	-	-
2009	WECC		OREGON TRAIL ELECTRIC CONSUME	U.S.	36,582	36,582	-	-	6,007	6,007	-	-	30,575	30,575	-	-
2009	WECC		Overton Power District #5	U.S.	20,973	20,973	-	-	3,444	3,444	-	-	17,529	17,529	-	-
2009	WECC		PACIFICORP (BPA)	U.S.	839	839	-	-	138	138	-	-	701	701	-	-
2009	WECC		PACIFICORP (PGE)	U.S.	174	174	-	-	29	29	-	-	145	145	-	-
2009	WECC		PACIFICORP(WAPA)	U.S.	11,237	11,237	-	-	1,845	1,845	-	-	9,392	9,392	-	-
2009	WECC		PacifiCorp (PACE)	U.S.	2,451,278	2,451,278	-	-	402,536	402,536	-	-	2,048,743	2,048,743	-	-
2009	WECC		PacifiCorp (PACW)	U.S.	1,167,633	1,167,633	-	-	191,742	191,742	-	-	975,890	975,890	-	-
2009	WECC		Page Electric Utility	U.S.	715	715	-	-	117	117	-	-	598	598	-	-
2009	WECC		PARKLAND LIGHT AND WATER COMP	U.S.	6,740	6,740	-	-	1,107	1,107	-	-	5,633	5,633	-	-
2009	WECC		PENINSULA LIGHT COMPANY, INC.	U.S.	34,023	34,023	-	-	5,587	5,587	-	-	28,436	28,436	-	-
2009	WECC		Platte River Power Authority	U.S.	171,628	171,628	-	-	28,184	28,184	-	-	143,444	143,444	-	-
2009	WECC		PORT TOWNSEND PAPER CORPORA	U.S.	10,707	10,707	-	-	1,758	1,758	-	-	8,949	8,949	-	-
2009	WECC		Portland General Electric Company	U.S.	986,530	986,530	-	-	162,003	162,003	-	-	824,527	824,527	-	-
2009	WECC		Public Service Company of Colorado	U.S.	1,575,010	1,575,010	-	-	258,640	258,640	-	-	1,316,371	1,316,371	-	-
2009	WECC		Public Service Company of Colorado (Xc	U.S.	1,769	1,769	-	-	290	290	-	-	1,478	1,478	-	-
2009	WECC		Public Service Company of New Mexico	U.S.	554,132	554,132	-	-	90,997	90,997	-	-	463,136	463,136	-	-
2009	WECC		PUD NO. 1 OF DOUGLAS COUNTY	U.S.	481	481	-	-	79	79	-	-	402	402	-	-
2009	WECC		PUD NO. 1 OF ASOTIN COUNTY	U.S.	285	285	-	-	47	47	-	-	238	238	-	-
2009	WECC		PUD NO. 1 OF BENTON COUNTY	U.S.	96,661	96,661	-	-	15,873	15,873	-	-	80,788	80,788	-	-
2009	WECC		PUD No. 1 of Chelan County	U.S.	176,730	176,730	-	-	29,022	29,022	-	-	147,708	147,708	-	-
2009	WECC		PUD NO. 1 OF CLALLAM COUNTY	U.S.	37,251	37,251	-	-	6,117	6,117	-	-	31,134	31,134	-	-
2009	WECC		PUD NO. 1 OF COWLITZ COUNTY	U.S.	266,546	266,546	-	-	43,771	43,771	-	-	222,775	222,775	-	-
2009	WECC		PUD No. 1 of Douglas County	U.S.	80,600	80,600	-	-	13,236	13,236	-	-	67,364	67,364	-	-
2009	WECC		PUD NO. 1 OF FERRY COUNTY	U.S.	5,389	5,389	-	-	885	885	-	-	4,504	4,504	-	-
2009	WECC		PUD NO. 1 OF FRANKLIN COUNTY	U.S.	54,337	54,337	-	-	8,923	8,923	-	-	45,414	45,414	-	-
2009	WECC		PUD NO. 1 OF GRAYS HARBOR	U.S.	59,969	59,969	-	-	9,848	9,848	-	-	50,121	50,121	-	-
2009	WECC		PUD NO. 1 OF KITTITAS COUNTY	U.S.	2,979	2,979	-	-	489	489	-	-	2,490	2,490	-	-
2009	WECC		PUD NO. 1 OF KLIKITAT COUNTY	U.S.	16,307	16,307	-	-	2,678	2,678	-	-	13,629	13,629	-	-
2009	WECC		PUD NO. 1 OF LEWIS COUNTY	U.S.	52,485	52,485	-	-	8,619	8,619	-	-	43,866	43,866	-	-
2009	WECC		PUD NO. 1 OF MASON COUNTY	U.S.	4,347	4,347	-	-	714	714	-	-	3,633	3,633	-	-
2009	WECC		PUD No. 1 of Pend Oreille County	U.S.	52,580	52,580	-	-	8,634	8,634	-	-	43,946	43,946	-	-
2009	WECC		PUD NO. 1 OF SKAMANIA COUNTY	U.S.	7,531	7,531	-	-	1,237	1,237	-	-	6,294	6,294	-	-
2009	WECC		PUD NO. 1 OF SNOHOMISH COUNTY	U.S.	387,522	387,522	-	-	63,637	63,637	-	-	323,885	323,885	-	-
2009	WECC		PUD NO. 1 OF WAHIAKUM COUNTY	U.S.	2,421	2,421	-	-	398	398	-	-	2,023	2,023	-	-
2009	WECC		PUD NO. 1 OF WHATCOM COUNTY	U.S.	12,149	12,149	-	-	1,995	1,995	-	-	10,154	10,154	-	-
2009	WECC		PUD NO. 2 OF GRANT COUNTY (Avista	U.S.	4,907	4,907	-	-	806	806	-	-	4,102	4,102	-	-
2009	WECC		PUD NO. 2 OF GRANT COUNTY (BPA)	U.S.	2,659	2,659	-	-	437	437	-	-	2,223	2,223	-	-
2009	WECC		PUD NO. 2 OF PACIFIC COUNTY	U.S.	16,979	16,979	-	-	2,788	2,788	-	-	14,190	14,190	-	-
2009	WECC		PUD NO. 3 OF MASON COUNTY	U.S.	37,996	37,996	-	-	6,239	6,239	-	-	31,756	31,756	-	-
2009	WECC		Puget Sound Energy	U.S.	1,381,617	1,381,617	-	-	226,882	226,882	-	-	1,154,735	1,154,735	-	-
2009	WECC		RAFT RIVER RURAL ELECTRIC COOP	U.S.	12,020	12,020	-	-	1,974	1,974	-	-	10,046	10,046	-	-
2009	WECC		RAVALLI COUNTY ELECTRIC COOPER	U.S.	8,551	8,551	-	-	1,404	1,404	-	-	7,147	7,147	-	-
2009	WECC		RBS Sempra Energy Solutions	U.S.	102,258	102,258	-	-	16,792	16,792	-	-	85,465	85,465	-	-
2009	WECC		RIVERSIDE ELECTRIC COMPANY, LTD	U.S.	1,089	1,089	-	-	179	179	-	-	910	910	-	-
2009	WECC		Rocky Mountain Generation Cooperative	U.S.	2,160	2,160	-	-	355	355	-	-	1,805	1,805	-	-
2009	WECC		Roosevelt Irrigation District	U.S.	1,620	1,620	-	-	266	266	-	-	1,354	1,354	-	-
2009	WECC		SALEM ELECTRIC	U.S.	18,248	18,248	-	-	2,997	2,997	-	-	15,251	15,251	-	-
2009	WECC		Salt River Project (SRP)	U.S.	1,521,434	1,521,434	-	-	249,842	249,842	-	-	1,271,592	1,271,592	-	-
2009	WECC		San Carlos Indian Irrigation Project	U.S.	8	8	-	-	1	1	-	-	6	6	-	-
2009	WECC		Seattle City Light	U.S.	551,754	551,754	-	-	90,606	90,606	-	-	461,148	461,148	-	-
2009	WECC		Sierra Pacific Power Company	U.S.	472,920	472,920	-	-	77,660	77,660	-	-	395,259	395,259	-	-
2009	WECC		SMGT / BPA	U.S.	869	869	-	-	143	143	-	-	727	727	-	-
2009	WECC		SMUD	U.S.	621,214	621,214	-	-	102,012	102,012	-	-	519,201	519,201	-	-
2009	WECC		SOUTH SIDE ELECTRIC, INC.	U.S.	2,974	2,974	-	-	488	488	-	-	2,486	2,486	-	-
2009	WECC		Southern Montana	U.S.	37,646	37,646	-	-	6,182	6,182	-	-	31,464	31,464	-	-
2009	WECC		Southern Nevada Water Authority	U.S.	44,586	44,586	-	-	7,322	7,322	-	-	37,264	37,264	-	-

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					Total	US Total	Canada Total	Mexico Total	Total	US Total	Canada Total	Mexico Total	Total	US Total	Canada Total	Mexico Total
2009	WECC		Southwest Transmission Cooperative, Inc	U.S.	147,215	147,215	-	-	24,175	24,175	-	-	123,040	123,040	-	-
2009	WECC		SPRINGFIELD UTILITY BOARD	U.S.	46,294	46,294	-	-	7,602	7,602	-	-	38,692	38,692	-	-
2009	WECC		SURPRISE VALLEY ELECTRIFICATION	U.S.	1,879	1,879	-	-	309	309	-	-	1,570	1,570	-	-
2009	WECC		Tacoma Power	U.S.	271,938	271,938	-	-	44,656	44,656	-	-	227,282	227,282	-	-
2009	WECC		The Incorporated County of Los Alamos	U.S.	20,922	20,922	-	-	3,436	3,436	-	-	17,486	17,486	-	-
2009	WECC		TILLAMOOK PUD	U.S.	19,160	19,160	-	-	3,146	3,146	-	-	16,014	16,014	-	-
2009	WECC		Tohono O'odham Utility Authority	U.S.	3,636	3,636	-	-	597	597	-	-	3,039	3,039	-	-
2009	WECC		Tonopah Irrigation District	U.S.	1,226	1,226	-	-	201	201	-	-	1,024	1,024	-	-
2009	WECC		Total NWMT Load Owner	U.S.	481,502	481,502	-	-	79,070	79,070	-	-	402,432	402,432	-	-
2009	WECC		Town of Center-Transmission	U.S.	661	661	-	-	108	108	-	-	552	552	-	-
2009	WECC		TOWN OF COULEE DAM	U.S.	1,035	1,035	-	-	170	170	-	-	865	865	-	-
2009	WECC		TOWN OF EATONVILLE	U.S.	1,584	1,584	-	-	260	260	-	-	1,324	1,324	-	-
2009	WECC		TOWN OF STEILACOOM	U.S.	2,302	2,302	-	-	378	378	-	-	1,924	1,924	-	-
2009	WECC		Town of Wickenburg	U.S.	1,579	1,579	-	-	259	259	-	-	1,320	1,320	-	-
2009	WECC		Tri State G & T Assoc., Inc	U.S.	105,976	105,976	-	-	17,403	17,403	-	-	88,573	88,573	-	-
2009	WECC		Tri-State Generation & Transmission Ass	U.S.	461	461	-	-	76	76	-	-	386	386	-	-
2009	WECC		Tri-State Generation and Transmission A	U.S.	360,417	360,417	-	-	59,186	59,186	-	-	301,232	301,232	-	-
2009	WECC		Tristate Generation and Transmission As	U.S.	131,476	131,476	-	-	21,590	21,590	-	-	109,886	109,886	-	-
2009	WECC		Truckee Donner Public Utility District	U.S.	8,150	8,150	-	-	1,338	1,338	-	-	6,812	6,812	-	-
2009	WECC		Tucson Electric Power	U.S.	736,070	736,070	-	-	120,873	120,873	-	-	615,196	615,196	-	-
2009	WECC		Turlock Irrigation District	U.S.	111,952	111,952	-	-	18,384	18,384	-	-	93,568	93,568	-	-
2009	WECC		U.S. Army Yuma Proving Ground	U.S.	1,066	1,066	-	-	175	175	-	-	891	891	-	-
2009	WECC		U.S. BOIA WAPATO IRRIGATION PROJ	U.S.	932	932	-	-	153	153	-	-	779	779	-	-
2009	WECC		U.S. BOR EAST GREENACRES (RATHI	U.S.	291	291	-	-	48	48	-	-	243	243	-	-
2009	WECC		U.S. BOR SPOKANE INDIAN DEVELOP	U.S.	187	187	-	-	31	31	-	-	156	156	-	-
2009	WECC		U.S. DOE NATIONAL ENERGY TECHN	U.S.	210	210	-	-	35	35	-	-	176	176	-	-
2009	WECC		U.S. DOE RICHLAND OPERATIONS OF	U.S.	10,253	10,253	-	-	1,684	1,684	-	-	8,569	8,569	-	-
2009	WECC		U.S.A.F. BASE, FAIRCHILD	U.S.	3,026	3,026	-	-	497	497	-	-	2,529	2,529	-	-
2009	WECC		U.S.N SUBMARINE BASE, BANGOR	U.S.	9,706	9,706	-	-	1,594	1,594	-	-	8,112	8,112	-	-
2009	WECC		U.S.N. NAVAL STATION, BREMERTON	U.S.	13,531	13,531	-	-	2,222	2,222	-	-	11,309	11,309	-	-
2009	WECC		U.S.N. NAVAL STATION, EVERETT	U.S.	765	765	-	-	126	126	-	-	640	640	-	-
2009	WECC		UMATILLA ELECTRIC COOPERATIVE #	U.S.	51,962	51,962	-	-	8,533	8,533	-	-	43,429	43,429	-	-
2009	WECC		Unit B Irrigation District	U.S.	1	1	-	-	0	0	-	-	1	1	-	-
2009	WECC		United Electric Cooperative, Inc.	U.S.	12,231	12,231	-	-	2,009	2,009	-	-	10,223	10,223	-	-
2009	WECC		Valley Electric Association	U.S.	25,021	25,021	-	-	4,109	4,109	-	-	20,912	20,912	-	-
2009	WECC		Vera Water and Power	U.S.	12,918	12,918	-	-	2,121	2,121	-	-	10,796	10,796	-	-
2009	WECC		Vigilante Electric Cooperative, Inc.	U.S.	8,918	8,918	-	-	1,464	1,464	-	-	7,453	7,453	-	-
2009	WECC		WASCO Electric Cooperative	U.S.	5,231	5,231	-	-	859	859	-	-	4,372	4,372	-	-
2009	WECC		WAUW	U.S.	12,346	12,346	-	-	2,027	2,027	-	-	10,319	10,319	-	-
2009	WECC		Wells REA	U.S.	11,189	11,189	-	-	1,837	1,837	-	-	9,352	9,352	-	-
2009	WECC		Wells Rural Electric Coop	U.S.	35,469	35,469	-	-	5,825	5,825	-	-	29,645	29,645	-	-
2009	WECC		Wellton-Mohawk Irrigation & Drainage Di	U.S.	400	400	-	-	66	66	-	-	335	335	-	-
2009	WECC		West Oregon Electric Cooperative, Inc	U.S.	3,852	3,852	-	-	632	632	-	-	3,219	3,219	-	-
2009	WECC		Western (WAPA-Sierra Nevada Region)	U.S.	76,761	76,761	-	-	12,605	12,605	-	-	64,156	64,156	-	-
2009	WECC		Western Area Power	U.S.	10,593	10,593	-	-	1,739	1,739	-	-	8,853	8,853	-	-
2009	WECC		Western Area Power Administration - CR	U.S.	60,834	60,834	-	-	9,990	9,990	-	-	50,844	50,844	-	-
2009	WECC		Western Area Power Administration - De	U.S.	123,895	123,895	-	-	20,345	20,345	-	-	103,550	103,550	-	-
2009	WECC		Western Area Power Administration - LAI	U.S.	84,471	84,471	-	-	13,871	13,871	-	-	70,600	70,600	-	-
2009	WECC		Western Area Power Administration	U.S.	26,789	26,789	-	-	4,399	4,399	-	-	22,390	22,390	-	-
2009	WECC		Wyoming Municipal Power Agency	U.S.	10,777	10,777	-	-	1,770	1,770	-	-	9,008	9,008	-	-
2009	WECC		Yampa Valley	U.S.	32,786	32,786	-	-	5,384	5,384	-	-	27,402	27,402	-	-
2009	WECC		Yuma Irrigation District	U.S.	165	165	-	-	27	27	-	-	138	138	-	-
2009	WECC		Yuma-Mesa Irrigation District	U.S.	9	9	-	-	2	2	-	-	8	8	-	-
TOTAL WECC					45,996,237	39,072,817	6,299,203	624,217	7,761,345	6,416,329	1,220,925	124,091	38,234,892	32,656,488	5,078,278	500,126

2009 NEL Calculations and Allocations to Load Serving Entities (or Designee) for the 2011 NERC and RE Assessments

Data Year	Regional Entity	ID	Entity	Country	Total ERO Assessments (NERC, RE & WIRAB Costs)				Total NERC Assessments				Total Regional Entity Assessments (Including WIRAB Assessments)			
					Total	US Total	Canada Total	Mexico Total	Total	US Total	Canada Total	Mexico Total	Total	US Total	Canada Total	Mexico Total
TOTAL ERO					147,020,191	129,661,562	16,734,412	624,217	41,106,967	35,989,995	4,992,881	124,091	105,913,224	93,671,567	11,741,531	500,126
Summary by Regional Entity																
2009	FRCC				7,112,141	7,112,141	-	-	2,145,081	2,145,081	-	-	4,967,060	4,967,060	-	-
2009	MRO				11,046,138	9,073,289	1,972,849	-	2,785,636	2,220,953	564,683	-	8,260,502	6,852,336	1,408,166	-
2009	NPCC				18,576,576	10,114,216	8,462,360	-	5,923,966	2,716,692	3,207,274	-	12,652,610	7,397,523	5,255,087	-
2009	RFC				21,207,566	21,207,566	-	-	8,403,722	8,403,722	-	-	12,803,844	12,803,844	-	-
2009	SERC				19,949,050	19,949,050	-	-	9,277,542	9,277,542	-	-	10,671,508	10,671,508	-	-
2009	SPP				11,157,603	11,157,603	-	-	2,062,618	2,062,618	-	-	9,094,985	9,094,985	-	-
2009	TRE				11,974,880	11,974,880	-	-	2,747,057	2,747,057	-	-	9,227,823	9,227,823	-	-
2009	WECC				45,996,237	39,072,817	6,299,203	624,217	7,761,345	6,416,329	1,220,925	124,091	38,234,892	32,656,488	5,078,278	500,126
Total					147,020,191	129,661,562	16,734,412	624,217	41,106,967	35,989,995	4,992,881	124,091	105,913,224	93,671,567	11,741,531	500,126

2009 NEL Calculations and Allocations to Load Serving Entities (or Designee) for the 2011 NERC and RE Assessments

Data Year	Regional Entity	ID	Entity	Country	Total NERC Assessments				NERC NEL Assessments				Penalty Sanctions		NERC Compliance Assessments (ex. IESO & New Brunswick)				NERC Compliance Assessments (ex. Quebec & AESO)				NERC IDC Assessments		
					Total	US Total	Canada Total	Mexico Total	Total	US Total	Canada Total	Mexico Total	Total	US Total	Total	US Total	Canada Total	Mexico Total	Total	US Total	Canada Total	Mexico Total	Total	US Total	Canada Total
2009	FRCC	1074	Alachua, City of	U.S.	1,154	1,154	-	-	685	685	-	-	(322)	(322)	442	442	-	-	283	283	-	-	67	67	-
2009	FRCC	1075	Bartow, City of	U.S.	2,852	2,852	-	-	1,692	1,692	-	-	(796)	(796)	1,091	1,091	-	-	700	700	-	-	165	165	-
2009	FRCC	1076	Chattahoochee, City of	U.S.	412	412	-	-	245	245	-	-	(115)	(115)	158	158	-	-	101	101	-	-	24	24	-
2009	FRCC	1077	Florida Keys Electric Cooperative Assn	U.S.	6,469	6,469	-	-	3,839	3,839	-	-	(1,806)	(1,806)	2,475	2,475	-	-	1,587	1,587	-	-	374	374	-
2009	FRCC	1078	Florida Power & Light Co.	U.S.	1,041,780	1,041,780	-	-	618,150	618,150	-	-	(290,828)	(290,828)	398,626	398,626	-	-	255,588	255,588	-	-	60,245	60,245	-
2009	FRCC	1079	Florida Public Utilities Company	U.S.	2,833	2,833	-	-	2,275	2,275	-	-	(1,070)	(1,070)	1,467	1,467	-	-	840	840	-	-	222	222	-
2009	FRCC	1080	Gainesville Regional Utilities	U.S.	17,781	17,781	-	-	10,550	10,550	-	-	(4,964)	(4,964)	6,804	6,804	-	-	4,362	4,362	-	-	1,028	1,028	-
2009	FRCC	1081	Homesstead, City of	U.S.	4,587	4,587	-	-	2,722	2,722	-	-	(1,281)	(1,281)	1,755	1,755	-	-	1,125	1,125	-	-	265	265	-
2009	FRCC	1082	JEA	U.S.	120,586	120,586	-	-	71,551	71,551	-	-	(33,663)	(33,663)	46,141	46,141	-	-	29,584	29,584	-	-	6,973	6,973	-
2009	FRCC	1083	Lakeland Electric	U.S.	28,298	28,298	-	-	16,791	16,791	-	-	(7,900)	(7,900)	10,828	10,828	-	-	6,943	6,943	-	-	1,636	1,636	-
2009	FRCC	1084	Mount Dora, City of	U.S.	898	898	-	-	533	533	-	-	(251)	(251)	343	343	-	-	220	220	-	-	52	52	-
2009	FRCC	1085	New Smyrna Beach, Utilities Commission	U.S.	3,679	3,679	-	-	2,183	2,183	-	-	(1,027)	(1,027)	1,408	1,408	-	-	903	903	-	-	213	213	-
2009	FRCC	1086	Orlando Utilities Commission	U.S.	53,466	53,466	-	-	31,724	31,724	-	-	(14,926)	(14,926)	20,458	20,458	-	-	13,117	13,117	-	-	3,092	3,092	-
2009	FRCC	1087	Progress Energy Florida	U.S.	394,121	394,121	-	-	233,855	233,855	-	-	(110,025)	(110,025)	150,806	150,806	-	-	96,693	96,693	-	-	22,791	22,791	-
2009	FRCC	1088	Quincy, City of	U.S.	1,369	1,369	-	-	812	812	-	-	(382)	(382)	524	524	-	-	336	336	-	-	79	79	-
2009	FRCC	1089	Reedy Creek Improvement District	U.S.	11,624	11,624	-	-	6,897	6,897	-	-	(3,245)	(3,245)	4,448	4,448	-	-	2,852	2,852	-	-	672	672	-
2009	FRCC	1090	St. Cloud, City of (OUC)	U.S.	5,675	5,675	-	-	3,367	3,367	-	-	(1,584)	(1,584)	2,171	2,171	-	-	1,392	1,392	-	-	328	328	-
2009	FRCC	1091	Tallahassee, City of	U.S.	26,529	26,529	-	-	15,742	15,742	-	-	(7,406)	(7,406)	10,151	10,151	-	-	6,509	6,509	-	-	1,534	1,534	-
2009	FRCC	1092	Tampa Electric Company	U.S.	186,803	186,803	-	-	110,842	110,842	-	-	(52,149)	(52,149)	71,478	71,478	-	-	45,830	45,830	-	-	10,803	10,803	-
2009	FRCC	1603	Vero Beach, City of	U.S.	7,122	7,122	-	-	4,226	4,226	-	-	(1,988)	(1,988)	2,725	2,725	-	-	1,747	1,747	-	-	412	412	-
2009	FRCC	1093	Wauchula, City of	U.S.	638	638	-	-	379	379	-	-	(178)	(178)	244	244	-	-	157	157	-	-	37	37	-
2009	FRCC	1094	Williston, City of	U.S.	333	333	-	-	198	198	-	-	(93)	(93)	127	127	-	-	82	82	-	-	19	19	-
2009	FRCC	1095	Winter Park, City of	U.S.	4,309	4,309	-	-	2,557	2,557	-	-	(1,203)	(1,203)	1,649	1,649	-	-	1,057	1,057	-	-	249	249	-
2009	FRCC	1072	Florida Municipal Power Agency	U.S.	58,176	58,176	-	-	34,519	34,519	-	-	(16,241)	(16,241)	22,260	22,260	-	-	14,273	14,273	-	-	3,364	3,364	-
2009	FRCC	1073	Seminole Electric Cooperative	U.S.	162,588	162,588	-	-	96,473	96,473	-	-	(45,389)	(45,389)	62,212	62,212	-	-	39,889	39,889	-	-	9,402	9,402	-
TOTAL FRCC					2,145,081	2,145,081	-	-	1,272,804	1,272,804	-	-	(598,831)	(598,831)	820,791	820,791	-	-	526,269	526,269	-	-	124,047	124,047	-
2009	MRO	1199	Basin Electric Power Cooperative	U.S.	103,398	103,398	-	-	57,572	57,572	-	-	(27,086)	(27,086)	37,126	37,126	-	-	23,804	23,804	-	-	11,982	11,982	-
2009	MRO	1201	Central Iowa Power Cooperative (CIPCO)	U.S.	26,841	26,841	-	-	14,945	14,945	-	-	(7,031)	(7,031)	9,638	9,638	-	-	6,179	6,179	-	-	3,110	3,110	-
2009	MRO	1204	Corn Belt Power Cooperative	U.S.	18,396	18,396	-	-	10,243	10,243	-	-	(4,819)	(4,819)	6,605	6,605	-	-	4,235	4,235	-	-	2,132	2,132	-
2009	MRO	1207	Dairyland Power Cooperative	U.S.	52,417	52,417	-	-	29,183	29,183	-	-	(13,731)	(13,731)	18,821	18,821	-	-	12,067	12,067	-	-	6,074	6,074	-
2009	MRO	1210	Great River Energy	U.S.	133,498	133,498	-	-	74,332	74,332	-	-	(34,972)	(34,972)	47,934	47,934	-	-	30,734	30,734	-	-	15,470	15,470	-
2009	MRO	1222	Minnikota Power Cooperative, Inc.	U.S.	38,491	38,491	-	-	21,432	21,432	-	-	(10,083)	(10,083)	13,821	13,821	-	-	8,862	8,862	-	-	4,460	4,460	-
2009	MRO	1230	Nebraska Public Power District	U.S.	127,666	127,666	-	-	71,084	71,084	-	-	(33,444)	(33,444)	45,840	45,840	-	-	29,391	29,391	-	-	14,794	14,794	-
2009	MRO	1232	Omaha Public Power District	U.S.	103,869	103,869	-	-	57,834	57,834	-	-	(27,210)	(27,210)	37,295	37,295	-	-	23,913	23,913	-	-	12,036	12,036	-
2009	MRO	1237	Southern Montana Generation and Transi	U.S.	45	45	-	-	25	25	-	-	(12)	(12)	16	16	-	-	10	10	-	-	5	5	-
2009	MRO	1240	Western Area Power Administration (JM)	U.S.	83,886	83,886	-	-	46,707	46,707	-	-	(21,975)	(21,975)	30,120	30,120	-	-	19,312	19,312	-	-	9,721	9,721	-
2009	MRO	1239	Western Area Power Administration (LM)	U.S.	5,279	5,279	-	-	712	712	-	-	(335)	(335)	459	459	-	-	294	294	-	-	148	148	-
2009	MRO	1217	Manitoba Hydro	CAN	313,503	313,503	-	-	138,323	138,323	-	-	-	-	89,200	89,200	-	-	57,193	57,193	-	-	28,788	28,788	-
2009	MRO	1235	SaskPower	CAN	251,180	251,180	-	-	110,825	110,825	-	-	-	-	71,467	71,467	-	-	45,823	45,823	-	-	23,065	23,065	-
2009	MRO	1195	Alliant Energy (Alliant East - WPL & Alliar	U.S.	279,913	279,913	-	-	155,855	155,855	-	-	(73,327)	(73,327)	100,506	100,506	-	-	64,442	64,442	-	-	32,436	32,436	-
2009	MRO	1216	Madison, Gas and Electric	U.S.	33,584	33,584	-	-	18,699	18,699	-	-	(8,798)	(8,798)	12,059	12,059	-	-	7,732	7,732	-	-	3,892	3,892	-
2009	MRO	1220	MidAmerican Energy Company	U.S.	217,001	217,001	-	-	120,826	120,826	-	-	(56,847)	(56,847)	77,917	77,917	-	-	49,958	49,958	-	-	25,146	25,146	-
2009	MRO	1221	Minnesota Power	U.S.	101,393	101,393	-	-	56,456	56,456	-	-	(26,561)	(26,561)	36,406	36,406	-	-	23,343	23,343	-	-	11,749	11,749	-
2009	MRO	1226	Montana-Dakota Utilities Co.	U.S.	26,138	26,138	-	-	14,554	14,554	-	-	(6,847)	(6,847)	9,385	9,385	-	-	6,018	6,018	-	-	3,029	3,029	-
2009	MRO	1231	NorthWestern Energy	U.S.	14,315	14,315	-	-	7,971	7,971	-	-	(3,750)	(3,750)	5,140	5,140	-	-	3,296	3,296	-	-	1,659	1,659	-
2009	MRO	1233	Onor T&E Power Company	U.S.	43,066	43,066	-	-	23,979	23,979	-	-	(11,282)	(11,282)	15,463	15,463	-	-	9,915	9,915	-	-	4,991	4,991	-
2009	MRO	1243	Integrus Energy Group (WPS and UPPCC)	U.S.	136,177	136,177	-	-	75,823	75,823	-	-	(35,673)	(35,673)	48,896	48,896	-	-	31,351	31,351	-	-	15,780	15,780	-
2009	MRO	1244	Xcel Energy Company (NSP)	U.S.	452,600	452,600	-	-	252,007	252,007	-	-	(118,565)	(118,565)	162,512	162,512	-	-	104,198	104,198	-	-	52,448	52,448	-
2009	MRO	1196	Ames Municipal Electric System	U.S.	7,328	7,328	-	-	4,080	4,080	-	-	(1,920)	(1,920)	2,631	2,631	-	-	1,687	1,687	-	-			

2009 NEL Calculations and Allocations to Load Serving Entities (or Designee) for the 2011 NERC and RE Assessments

Data Year	Regional Entity	ID	Entity	Country	Total NERC Assessments				NERC NEL Assessments				Penalty Sanctions		NERC Compliance Assessments (ex. IESO & New Brunswick)				NERC Compliance Assessments (ex. Quebec & AESO)				NERC IDC Assessments		
					Total	US Total	Canada Total	Mexico Total	Total	US Total	Canada Total	Mexico Total	Total	US Total	Total	US Total	Canada Total	Mexico Total	Total	US Total	Canada Total	Mexico Total	Total	US Total	Canada Total
2009	RFC	1106	City of Crosswell	U.S.	343	343	-	-	204	204	-	-	(96)	(96)	131	131	-	-	84	84	-	-	20	20	-
2009	RFC	1107	City of Crystal Falls	U.S.	128	128	-	-	76	76	-	-	(36)	(36)	49	49	-	-	31	31	-	-	7	7	-
2009	RFC	1108	City of Eaton Rapids	U.S.	738	738	-	-	438	438	-	-	(206)	(206)	282	282	-	-	181	181	-	-	42	42	-
2009	RFC	1110	City of Hamilton	U.S.	4,173	4,173	-	-	2,478	2,478	-	-	(1,166)	(1,166)	1,598	1,598	-	-	1,025	1,025	-	-	238	238	-
2009	RFC	1111	City of Hart	U.S.	340	340	-	-	202	202	-	-	(95)	(95)	130	130	-	-	83	83	-	-	19	19	-
2009	RFC	1490	City of Lansing	U.S.	19,808	19,808	-	-	11,761	11,761	-	-	(5,533)	(5,533)	7,584	7,584	-	-	4,863	4,863	-	-	1,131	1,131	-
2009	RFC	1112	City of Marquette Board of Light & Power	U.S.	3,194	3,194	-	-	1,897	1,897	-	-	(892)	(892)	1,223	1,223	-	-	784	784	-	-	182	182	-
2009	RFC	1165	City of Plainville	U.S.	1,490	1,490	-	-	885	885	-	-	(416)	(416)	571	571	-	-	366	366	-	-	85	85	-
2009	RFC	1114	City of Portland	U.S.	334	334	-	-	198	198	-	-	(93)	(93)	128	128	-	-	82	82	-	-	19	19	-
2009	RFC	1116	City of St. Louis	U.S.	368	368	-	-	218	218	-	-	(103)	(103)	141	141	-	-	90	90	-	-	21	21	-
2009	RFC	1117	City of Williamstown KY	U.S.	508	508	-	-	301	301	-	-	(142)	(142)	194	194	-	-	125	125	-	-	29	29	-
2009	RFC	1118	City of Wyandotte	U.S.	617	617	-	-	367	367	-	-	(172)	(172)	236	236	-	-	152	152	-	-	35	35	-
2009	RFC	1119	Cleveland Public Power	U.S.	15,377	15,377	-	-	9,131	9,131	-	-	(4,296)	(4,296)	5,888	5,888	-	-	3,775	3,775	-	-	878	878	-
2009	RFC	1120	Cloverland Electric Cooperative	U.S.	2,224	2,224	-	-	1,320	1,320	-	-	(621)	(621)	851	851	-	-	546	546	-	-	127	127	-
2009	RFC	1132	Cloverland (I.k.a. - Edison Sault Electric C	U.S.	6,269	6,269	-	-	3,722	3,722	-	-	(1,751)	(1,751)	2,400	2,400	-	-	1,539	1,539	-	-	358	358	-
2009	RFC	1122	CMS ERM Michigan LLC	U.S.	1,214	1,214	-	-	721	721	-	-	(339)	(339)	465	465	-	-	298	298	-	-	69	69	-
2009	RFC	1124	Constellation New Energy (MECS-CONS)	U.S.	4,561	4,561	-	-	2,708	2,708	-	-	(1,274)	(1,274)	1,747	1,747	-	-	1,120	1,120	-	-	261	261	-
2009	RFC	1123	Constellation New Energy (MECS-DETS)	U.S.	6,527	6,527	-	-	3,876	3,876	-	-	(1,823)	(1,823)	2,499	2,499	-	-	1,602	1,602	-	-	373	373	-
2009	RFC	1534	Constellation New Energy Inc. (ATSI)	U.S.	1,897	1,897	-	-	1,126	1,126	-	-	(530)	(530)	726	726	-	-	466	466	-	-	108	108	-
2009	RFC	1125	Constellation New Energy Inc. (DUKE-C	U.S.	1,127	1,127	-	-	669	669	-	-	(315)	(315)	432	432	-	-	277	277	-	-	64	64	-
2009	RFC	1126	Consumers Energy Company	U.S.	312,962	312,962	-	-	185,839	185,839	-	-	(87,434)	(87,434)	119,842	119,842	-	-	76,839	76,839	-	-	17,876	17,876	-
2009	RFC	1128	Detroit Edison Company	U.S.	429,503	429,503	-	-	255,042	255,042	-	-	(119,992)	(119,992)	164,469	164,469	-	-	105,453	105,453	-	-	24,533	24,533	-
2009	RFC	1129	Dominion Retail (ATSI)	U.S.	342	342	-	-	560	560	-	-	(263)	(263)	361	361	-	-	231	231	-	-	54	54	-
2009	RFC	1130	Dominion Retail Inc. (DUKE-CIN)	U.S.	3,481	3,481	-	-	2,067	2,067	-	-	(972)	(972)	1,333	1,333	-	-	855	855	-	-	199	199	-
2009	RFC	1131	DTE Energy Trading	U.S.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2009	RFC	1166	Duke Energy Indiana	U.S.	269,145	269,145	-	-	159,820	159,820	-	-	(75,192)	(75,192)	103,063	103,063	-	-	66,081	66,081	-	-	15,373	15,373	-
2009	RFC	1179	Duke Energy Kentucky	U.S.	39,500	39,500	-	-	23,455	23,455	-	-	(11,035)	(11,035)	15,126	15,126	-	-	9,698	9,698	-	-	2,256	2,256	-
2009	RFC	1178	Duke Energy Ohio	U.S.	169,229	169,229	-	-	100,489	100,489	-	-	(47,278)	(47,278)	64,802	64,802	-	-	41,549	41,549	-	-	9,666	9,666	-
2009	RFC	1608	Duke Energy Retail Sales (ATSI)	U.S.	17,387	17,387	-	-	10,324	10,324	-	-	(4,857)	(4,857)	6,658	6,658	-	-	4,269	4,269	-	-	993	993	-
2009	RFC	1609	Duke Energy Retail Sales (DUKE-CIN)	U.S.	8,021	8,021	-	-	4,763	4,763	-	-	(2,241)	(2,241)	3,072	3,072	-	-	1,969	1,969	-	-	458	458	-
2009	RFC	1563	Energy International Power Marketing	U.S.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2009	RFC	1135	Ferdinand Municipal Light & Water	U.S.	380	380	-	-	226	226	-	-	(106)	(106)	146	146	-	-	93	93	-	-	22	22	-
2009	RFC	1138	FirstEnergy	U.S.	408,192	408,192	-	-	242,387	242,387	-	-	(114,039)	(114,039)	156,308	156,308	-	-	100,220	100,220	-	-	23,315	23,315	-
2009	RFC	1137	FirstEnergy Solutions (ATSI)	U.S.	211,960	211,960	-	-	125,863	125,863	-	-	(59,216)	(59,216)	81,165	81,165	-	-	52,041	52,041	-	-	12,107	12,107	-
2009	RFC	1549	FirstEnergy Solutions (MECS-DET)	U.S.	207	207	-	-	123	123	-	-	(58)	(58)	79	79	-	-	51	51	-	-	12	12	-
2009	RFC	1550	FirstEnergy Solutions (DUKE-CIN)	U.S.	3,233	3,233	-	-	1,920	1,920	-	-	(903)	(903)	1,238	1,238	-	-	794	794	-	-	185	185	-
2009	RFC	1610	Gexa Energy	U.S.	14,335	14,335	-	-	8,512	8,512	-	-	(4,005)	(4,005)	5,489	5,489	-	-	3,520	3,520	-	-	819	819	-
2009	RFC	1141	Georgetown	U.S.	521	521	-	-	309	309	-	-	(145)	(145)	199	199	-	-	128	128	-	-	30	30	-
2009	RFC	1611	Glacial Energy (ATSI)	U.S.	9	9	-	-	6	6	-	-	(3)	(3)	4	4	-	-	2	2	-	-	1	1	-
2009	RFC	1612	Glacial Energy (MECS-DET)	U.S.	254	254	-	-	151	151	-	-	(71)	(71)	97	97	-	-	62	62	-	-	15	15	-
2009	RFC	1143	Hamersville	U.S.	52	52	-	-	31	31	-	-	(15)	(15)	20	20	-	-	13	13	-	-	3	3	-
2009	RFC	1144	Holland Board of Public Works	U.S.	6,889	6,889	-	-	4,091	4,091	-	-	(1,925)	(1,925)	2,638	2,638	-	-	1,691	1,691	-	-	394	394	-
2009	RFC	1145	Hoosier Energy	U.S.	63,586	63,586	-	-	37,758	37,758	-	-	(17,764)	(17,764)	24,349	24,349	-	-	15,612	15,612	-	-	3,632	3,632	-
2009	RFC	1148	Indiana Municipal Power Agency (DUKE C	U.S.	27,095	27,095	-	-	16,089	16,089	-	-	(7,570)	(7,570)	10,376	10,376	-	-	6,653	6,653	-	-	1,548	1,548	-
2009	RFC	1485	Indiana Municipal Power Agency (NIPSCO	U.S.	3,573	3,573	-	-	2,122	2,122	-	-	(988)	(988)	1,368	1,368	-	-	877	877	-	-	204	204	-
2009	RFC	1486	Indiana Municipal Power Agency (SIGE)	U.S.	5,279	5,279	-	-	3,135	3,135	-	-	(1,475)	(1,475)	2,022	2,022	-	-	1,296	1,296	-	-	302	302	-
2009	RFC	1149	Indianapolis Power & Light Co.	U.S.	141,248	141,248	-	-	83,874	83,874	-	-	(39,461)	(39,461)	54,088	54,088	-	-	34,680	34,680	-	-	8,068	8,068	-
2009	RFC	1613	Integrus Energy Services (ATSI)	U.S.	0	0	-	-	0	0	-	-	(0)	(0)	0	0	-	-	0	0	-	-	0	0	-
2009	RFC	1552	Integrus Energy Services (DUKE-CIN)	U.S.	177	177	-	-	105	105	-	-	(50)	(50)	68	68	-	-	44	44	-	-	10	10	-
2009	RFC	1553	Integrus Energy Services (MECS-CONS)	U.S.	2,297	2,297	-	-	1,364	1,364	-	-	(642)	(642)	880	880	-	-	564	564	-	-	131	131	-
2009	RFC	1554	Integrus Energy Services (MECS-DET)	U.S.	2,305	2,305	-	-	1,369	1,369	-	-	(644)	(644)	883	883	-	-	566	566	-	-	132	132	-
2009	RFC	1614	Just Energy (MECS-DET)	U.S.	247	247	-	-	147	147	-	-	(69)	(69)	95	95	-	-	61	61	-	-	14	14	-
2009	RFC	1151	Lebanon	U.S.	2,608	2,608	-	-	1,549	1,549	-	-	(729)	(729)	999	999	-	-	640	640	-	-	149	149	-
2009	RFC	1154	Michigan Public Power Agency	U.S.	10,997	10,997	-	-	6,530	6,530	-	-	(3,072)	(3,072)	4,211	4,211	-	-	2,700	2,700	-	-	628	628	-
2009	RFC	1155	Michigan South Central Power Agency	U.S.	5,145	5,145	-	-	3,055	3,055	-	-	(1,437)	(1,437)	1,970	1,970	-	-	1,263	1,263	-	-	294	294	-
2009	RFC	1158	Mid-American Energy Company Retail	U.S.	273	273	-	-	162	162	-	-	(76)	(76)	104	104	-	-	67	67	-	-	16	16	-
2009	RFC	1163	Northern Indiana Public Service Co.	U.S.	148,700	148,700	-	-	88,299	88,299	-	-	(41,543)	(41,543)	56,941	56,941	-	-	36,509	36,509	-	-	8,494	8,494	-
2009	RFC	1164	Ontonagon County Rural Electrification A	U.S.	260	260	-	-	155	155	-	-	(73)	(73)	100	100	-	-	64	64	-	-	15	15	-
2009	RFC	1555	Penn Power	U.S.	20,701	20,701	-	-	12,292	12,292	-	-	(5,783)	(5,783)	7,927	7,927	-	-	5,083	5,083	-	-	1,182	1,182	-
2009	RFC	1265	PJM Interconnection, LLC	U.S.	5,548,231	5,548,231	-	-	3,294,577	3,294,577	-	-	(1,550,037)	(1,550,037)	2,124,569	2,124,569	-	-	1,362,216	1,362,216	-	-			

2009 NEL Calculations and Allocations to Load Serving Entities (or Designee) for the 2011 NERC and RE Assessments

Date Year	Regional Entity	ID	Entity	Country	Total NERC Assessments				NERC NEL Assessments				Penalty Sanctions		NERC Compliance Assessments (ex. IESO & New Brunswick)				NERC Compliance Assessments (ex. Quebec & AESO)				NERC IDC Assessments		
					Total	US Total	Canada Total	Mexico Total	Total	US Total	Canada Total	Mexico Total	Total	US Total	Total	US Total	Canada Total	Mexico Total	Total	US Total	Canada Total	Mexico Total	Total	US Total	Canada Total
2009	SERC	1274	Big Rivers Electric Corporation	U.S.	93,166	93,166	-	-	55,797	55,797	-	-	(26,252)	(26,252)	35,982	35,982	23,071	23,071	-	-	4,568	4,568	-		
2009	SERC	1275	Black Warrior EMC	U.S.	3,904	3,904	-	-	2,338	2,338	-	-	(1,100)	(1,100)	1,508	1,508	967	967	-	-	191	191	-		
2009	SERC	1276	Blue Ridge EMC	U.S.	10,764	10,764	-	-	6,447	6,447	-	-	(3,033)	(3,033)	4,157	4,157	2,666	2,666	-	-	528	528	-		
2009	SERC	1463	Canton, MS	U.S.	1,149	1,149	-	-	688	688	-	-	(324)	(324)	444	444	285	285	-	-	56	56	-		
2009	SERC	1277	Central Electric Power Cooperative Inc.	U.S.	144,797	144,797	-	-	86,720	86,720	-	-	(40,800)	(40,800)	55,923	55,923	35,856	35,856	-	-	7,099	7,099	-		
2009	SERC	1278	City of Blountown FL	U.S.	6,274	6,274	-	-	3,996	3,996	-	-	(1,739)	(1,739)	2,383	2,383	1,528	1,528	-	-	303	303	-		
2009	SERC	1279	City of Camden SC	U.S.	1,917	1,917	-	-	1,148	1,148	-	-	(540)	(540)	740	740	475	475	-	-	94	94	-		
2009	SERC	1280	City of Collins MS	U.S.	421	421	-	-	252	252	-	-	(119)	(119)	163	163	104	104	-	-	21	21	-		
2009	SERC	1281	City of Columbia MO	U.S.	12,868	12,868	-	-	7,707	7,707	-	-	(3,626)	(3,626)	4,970	4,970	3,187	3,187	-	-	631	631	-		
2009	SERC	1282	City of Conway AR (Conway Corporation)	U.S.	8,996	8,996	-	-	5,387	5,387	-	-	(2,535)	(2,535)	3,474	3,474	2,228	2,228	-	-	441	441	-		
2009	SERC	1284	City of Evergreen AL	U.S.	580	580	-	-	348	348	-	-	(164)	(164)	224	224	144	144	-	-	28	28	-		
2009	SERC	1285	City of Hampton GA	U.S.	231	231	-	-	138	138	-	-	(65)	(65)	89	89	57	57	-	-	11	11	-		
2009	SERC	1286	City of Hartford CT	U.S.	293	293	-	-	175	175	-	-	(83)	(83)	113	113	73	73	-	-	14	14	-		
2009	SERC	1287	City of Henderson (KY) Municipal Power	U.S.	6,171	6,171	-	-	3,696	3,696	-	-	(1,739)	(1,739)	2,383	2,383	1,528	1,528	-	-	303	303	-		
2009	SERC	1288	City of North Little Rock AR (DENL)	U.S.	9,036	9,036	-	-	5,411	5,411	-	-	(2,546)	(2,546)	3,490	3,490	2,237	2,237	-	-	443	443	-		
2009	SERC	1289	City of Orangeburg SC Department of Pu	U.S.	8,675	8,675	-	-	5,195	5,195	-	-	(2,444)	(2,444)	3,350	3,350	2,148	2,148	-	-	425	425	-		
2009	SERC	1290	City of Robertsdale AL	U.S.	791	791	-	-	474	474	-	-	(223)	(223)	306	306	196	196	-	-	39	39	-		
2009	SERC	1291	City of Ruston LA (DERS)	U.S.	2,530	2,530	-	-	1,515	1,515	-	-	(713)	(713)	977	977	627	627	-	-	124	124	-		
2009	SERC	1292	City of Seneca SC	U.S.	1,433	1,433	-	-	858	858	-	-	(404)	(404)	553	553	355	355	-	-	70	70	-		
2009	SERC	1115	City of Springfield (CVLWP)	U.S.	17,006	17,006	-	-	10,185	10,185	-	-	(4,792)	(4,792)	6,568	6,568	4,211	4,211	-	-	834	834	-		
2009	SERC	1465	City of Thayer, MO	U.S.	148	148	-	-	88	88	-	-	(42)	(42)	57	57	37	37	-	-	7	7	-		
2009	SERC	1293	City of Troy AL	U.S.	3,464	3,464	-	-	2,074	2,074	-	-	(976)	(976)	1,338	1,338	858	858	-	-	170	170	-		
2009	SERC	1294	City of West Memphis AR (West Memphi	U.S.	3,720	3,720	-	-	2,223	2,223	-	-	(1,048)	(1,048)	1,437	1,437	921	921	-	-	162	162	-		
2009	SERC	1583	Claborne Electric Cooperative, Inc.	U.S.	5,692	5,692	-	-	3,409	3,409	-	-	(1,604)	(1,604)	2,198	2,198	1,409	1,409	-	-	279	279	-		
2009	SERC	1584	Concordia Electric Cooperative, Inc.	U.S.	2,320	2,320	-	-	1,390	1,390	-	-	(654)	(654)	896	896	575	575	-	-	114	114	-		
2009	SERC	1283	Dalton Utilities	U.S.	13,813	13,813	-	-	8,273	8,273	-	-	(3,892)	(3,892)	5,335	5,335	3,420	3,420	-	-	677	677	-		
2009	SERC	1585	Dixie Electric Membership Corporation	U.S.	20,785	20,785	-	-	12,448	12,448	-	-	(5,857)	(5,857)	8,028	8,028	5,147	5,147	-	-	1,019	1,019	-		
2009	SERC	1295	Dominion Virginia Power	U.S.	780,509	780,509	-	-	467,450	467,450	-	-	(219,926)	(219,926)	301,444	301,444	193,277	193,277	-	-	38,265	38,265	-		
2009	SERC	1296	Duke Energy Carolinas, LLC	U.S.	757,678	757,678	-	-	453,776	453,776	-	-	(213,493)	(213,493)	292,626	292,626	187,624	187,624	-	-	37,146	37,146	-		
2009	SERC	1466	Durant, MS	U.S.	289	289	-	-	173	173	-	-	(81)	(81)	112	112	72	72	-	-	14	14	-		
2009	SERC	1476	E.ON U.S. Services Inc.	U.S.	314,842	314,842	-	-	188,569	188,569	-	-	(88,714)	(88,714)	121,596	121,596	77,964	77,964	-	-	15,435	15,435	-		
2009	SERC	1297	East Kentucky Power Cooperative	U.S.	115,914	115,914	-	-	69,421	69,421	-	-	(32,662)	(32,662)	44,768	44,768	28,704	28,704	-	-	5,683	5,683	-		
2009	SERC	1298	East Mississippi Electric Power Associat	U.S.	4,127	4,127	-	-	2,472	2,472	-	-	(1,163)	(1,163)	1,594	1,594	1,022	1,022	-	-	202	202	-		
2009	SERC	1299	Electric Energy Inc.	U.S.	12,419	12,419	-	-	7,438	7,438	-	-	(3,499)	(3,499)	4,796	4,796	3,075	3,075	-	-	609	609	-		
2009	SERC	1300	EnergyUnited EMC	U.S.	22,487	22,487	-	-	13,468	13,468	-	-	(6,336)	(6,336)	8,685	8,685	5,568	5,568	-	-	1,102	1,102	-		
2009	SERC	1301	Entergy	U.S.	1,022,817	1,022,817	-	-	612,569	612,569	-	-	(288,202)	(288,202)	395,026	395,026	253,280	253,280	-	-	50,144	50,144	-		
2009	SERC	1302	Fayetteville (NC) Public Works Commissi	U.S.	20,944	20,944	-	-	12,544	12,544	-	-	(5,902)	(5,902)	8,089	8,089	5,186	5,186	-	-	1,027	1,027	-		
2009	SERC	1303	Florida Public Utilities (FL Panhandle Loa	U.S.	3,273	3,273	-	-	1,960	1,960	-	-	(922)	(922)	1,264	1,264	810	810	-	-	160	160	-		
2009	SERC	1304	French Broad EMC	U.S.	4,840	4,840	-	-	2,899	2,899	-	-	(1,364)	(1,364)	1,869	1,869	1,198	1,198	-	-	237	237	-		
2009	SERC	1305	Georgia Power Company	U.S.	799,882	799,882	-	-	479,052	479,052	-	-	(225,385)	(225,385)	308,926	308,926	198,075	198,075	-	-	39,215	39,215	-		
2009	SERC	1306	Georgia System Optns Corporation	U.S.	355,102	355,102	-	-	212,672	212,672	-	-	(100,058)	(100,058)	137,145	137,145	87,934	87,934	-	-	17,409	17,409	-		
2009	SERC	1479	Greenwood (MS) Utilities Commission	U.S.	2,644	2,644	-	-	1,583	1,583	-	-	(745)	(745)	1,021	1,021	655	655	-	-	130	130	-		
2009	SERC	1307	Greenwood (SC) Commissioners of Publi	U.S.	3,106	3,106	-	-	1,860	1,860	-	-	(875)	(875)	1,199	1,199	769	769	-	-	152	152	-		
2009	SERC	1308	Gulf Power Company	U.S.	109,318	109,318	-	-	65,471	65,471	-	-	(30,803)	(30,803)	42,220	42,220	27,070	27,070	-	-	5,359	5,359	-		
2009	SERC	1586	Haywood EMC	U.S.	2,853	2,853	-	-	1,708	1,708	-	-	(804)	(804)	1,102	1,102	706	706	-	-	140	140	-		
2009	SERC	1309	Illinois Municipal Electric Agency	U.S.	16,951	16,951	-	-	10,152	10,152	-	-	(4,776)	(4,776)	6,547	6,547	4,198	4,198	-	-	831	831	-		
2009	SERC	1480	Iita Bena, MS	U.S.	149	149	-	-	89	89	-	-	(42)	(42)	58	58	37	37	-	-	7	7	-		
2009	SERC	1587	Jefferson Davis Electric Cooperative, Inc.	U.S.	2,111	2,111	-	-	1,264	1,264	-	-	(595)	(595)	815	815	523	523	-	-	103	103	-		
2009	SERC	1617	Kentucky Municipal Power	U.S.	6,772	6,772	-	-	4,056	4,056	-	-	(1,908)	(1,908)	2,616	2,616	1,677	1,677	-	-	332	332	-		
2009	SERC	1481	Kosciusko, MS	U.S.	684	684	-	-	410	410	-	-	(193)	(193)	264	264	169	169	-	-	34	34	-		
2009	SERC	1482	Leland, MS	U.S.	301	301	-	-	180	180	-	-	(85)	(85)	116	116	75	75	-	-	15	15	-		
2009	SERC	1313	McCormick Commission of Public Works	U.S.	214	214	-	-	128	128	-	-	(60)	(60)	83	83	53	53	-	-	11	11	-		
2009	SERC	1314	Mississippi Power Company	U.S.	93,444	93,444	-	-	55,964	55,964	-	-	(26,330)	(26,330)	36,089	36,089	23,139	23,139	-	-	4,581	4,581	-		
2009	SERC	1315	Municipal Electric Authority of Georgia	U.S.	99,045	99,045	-	-	59,318	59,318	-	-	(27,908)	(27,908)	38,252	38,252	24,526	24,526	-	-	4,856	4,8			

Data Year	Regional Entity	ID	Entity	Country	Total NERC Assessments				NERC NEL Assessments				Penalty Sanctions		NERC Compliance Assessments (ex. IESO & New Brunswick)				NERC Compliance Assessments (ex. Quebec & AESO)				NERC IDC Assessments		
					Total	US Total	Canada Total	Mexico Total	Total	US Total	Canada Total	Mexico Total	Total	US Total	Total	US Total	Canada Total	Mexico Total	Total	US Total	Canada Total	Mexico Total	Total	US Total	Canada Total
2009	SPP	1469	Central Valley Electric Cooperative	U.S.	7,758	7,758	-	-	4,285	4,285	-	-	(2,016)	(2,016)	2,763	2,763	-	-	1,772	1,772	-	-	953	953	-
2009	SPP	1556	City of Bentonville	U.S.	5,716	5,716	-	-	3,157	3,157	-	-	(1,485)	(1,485)	2,036	2,036	-	-	1,305	1,305	-	-	702	702	-
2009	SPP	1557	City of Clarksdale, Mississippi	U.S.	1,734	1,734	-	-	958	958	-	-	(451)	(451)	618	618	-	-	396	396	-	-	213	213	-
2009	SPP	1558	Hope Water & Light (HWL)	U.S.	2,899	2,899	-	-	1,602	1,602	-	-	(754)	(754)	1,033	1,033	-	-	662	662	-	-	356	356	-
2009	SPP	1559	City of Minden	U.S.	1,702	1,702	-	-	940	940	-	-	(442)	(442)	606	606	-	-	389	389	-	-	209	209	-
2009	SPP	1248	Kansas City Power & Light (Independ	U.S.	10,970	10,970	-	-	6,059	6,059	-	-	(2,851)	(2,851)	3,908	3,908	-	-	2,505	2,505	-	-	1,348	1,348	-
2009	SPP	1436	City Utilities of Springfield, MO	U.S.	31,388	31,388	-	-	17,338	17,338	-	-	(8,157)	(8,157)	11,181	11,181	-	-	7,169	7,169	-	-	3,857	3,857	-
2009	SPP	1249	Cleco Power LLC	U.S.	111,995	111,995	-	-	61,836	61,864	-	-	(29,106)	(29,106)	39,894	39,894	-	-	25,579	25,579	-	-	13,764	13,764	-
2009	SPP	1437	East Texas Electric Coop, Inc.	U.S.	4,111	4,111	-	-	2,271	2,271	-	-	(1,068)	(1,068)	1,464	1,464	-	-	939	939	-	-	505	505	-
2009	SPP	1250	The Empire District Electric Company	U.S.	53,472	53,472	-	-	29,537	29,537	-	-	(13,897)	(13,897)	19,047	19,047	-	-	12,213	12,213	-	-	6,571	6,571	-
2009	SPP	1470	Farmers' Electric Coop	U.S.	4,150	4,150	-	-	2,292	2,292	-	-	(1,078)	(1,078)	1,478	1,478	-	-	948	948	-	-	510	510	-
2009	SPP	1438	Golden Spread Electric Coop	U.S.	45,406	45,406	-	-	25,082	25,082	-	-	(11,800)	(11,800)	16,174	16,174	-	-	10,371	10,371	-	-	5,580	5,580	-
2009	SPP	1251	Grand River Dam Authority	U.S.	43,522	43,522	-	-	24,041	24,041	-	-	(11,311)	(11,311)	15,503	15,503	-	-	9,940	9,940	-	-	5,349	5,349	-
2009	SPP	1252	Kansas City Power & Light (KCPL)	U.S.	158,760	158,760	-	-	87,696	87,696	-	-	(41,259)	(41,259)	56,552	56,552	-	-	36,260	36,260	-	-	19,511	19,511	-
2009	SPP	1439	Kansas Electric Power Coop., Inc	U.S.	20,663	20,663	-	-	11,414	11,414	-	-	(5,370)	(5,370)	7,260	7,260	-	-	4,719	4,719	-	-	2,539	2,539	-
2009	SPP	1440	Kansas Municipal Energy Agency (KCP	U.S.	7,355	7,355	-	-	4,063	4,063	-	-	(1,912)	(1,912)	2,620	2,620	-	-	1,680	1,680	-	-	904	904	-
2009	SPP	1598	KCP&L G/MOC (Greater Missouri Operat	U.S.	85,734	85,734	-	-	47,358	47,358	-	-	(22,281)	(22,281)	30,539	30,539	-	-	19,581	19,581	-	-	10,536	10,536	-
2009	SPP	1471	Lafayette Utilities System	U.S.	21,134	21,134	-	-	11,674	11,674	-	-	(5,492)	(5,492)	7,528	7,528	-	-	4,827	4,827	-	-	2,597	2,597	-
2009	SPP	1472	Lea County Electric Coop	U.S.	12,551	12,551	-	-	6,933	6,933	-	-	(3,262)	(3,262)	4,471	4,471	-	-	2,867	2,867	-	-	1,543	1,543	-
2009	SPP	1253	Louisiana Energy & Power Authority (LEI	U.S.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2009	SPP	1441	Midwest Energy Inc.	U.S.	16,300	16,300	-	-	9,004	9,004	-	-	(4,236)	(4,236)	5,806	5,806	-	-	3,723	3,723	-	-	2,003	2,003	-
2009	SPP	1443	Missouri Joint Municipal Electric Utility C	U.S.	22,413	22,413	-	-	12,380	12,380	-	-	(5,825)	(5,825)	7,994	7,994	-	-	5,119	5,119	-	-	2,754	2,754	-
2009	SPP	1442	Northwest Texas Electric Cooperative, Inc	U.S.	30,520	30,520	-	-	16,859	16,859	-	-	(7,932)	(7,932)	10,872	10,872	-	-	6,971	6,971	-	-	3,751	3,751	-
2009	SPP	1255	Oklahoma Gas and Electric Co.	U.S.	281,252	281,252	-	-	155,359	155,359	-	-	(73,093)	(73,093)	100,186	100,186	-	-	64,236	64,236	-	-	34,565	34,565	-
2009	SPP	1444	Oklahoma Municipal Power Authority	U.S.	25,444	25,444	-	-	14,055	14,055	-	-	(6,613)	(6,613)	9,063	9,063	-	-	5,811	5,811	-	-	3,127	3,127	-
2009	SPP	1561	Public Service Commission of Yazoo Cit	U.S.	1,212	1,212	-	-	669	669	-	-	(315)	(315)	432	432	-	-	277	277	-	-	149	149	-
2009	SPP	1473	Roosevelt County Electric Coop	U.S.	2,192	2,192	-	-	1,211	1,211	-	-	(570)	(570)	781	781	-	-	501	501	-	-	269	269	-
2009	SPP	1258	Southwestern Power Administration (SP)	U.S.	40,761	40,761	-	-	22,516	22,516	-	-	(10,593)	(10,593)	14,520	14,520	-	-	9,310	9,310	-	-	5,009	5,009	-
2009	SPP	1257	Southwestern Public Service Co. (SPS-X	U.S.	198,775	198,775	-	-	109,800	109,800	-	-	(51,659)	(51,659)	70,806	70,806	-	-	45,399	45,399	-	-	24,429	24,429	-
2009	SPP	1256	Sunflower Electric Cooperative (SECI)	U.S.	54,248	54,248	-	-	29,965	29,965	-	-	(14,098)	(14,098)	19,324	19,324	-	-	12,390	12,390	-	-	6,667	6,667	-
2009	SPP	1441	Tar - La Electric Cooperative of Texas	U.S.	4,691	4,691	-	-	2,591	2,591	-	-	(1,219)	(1,219)	1,671	1,671	-	-	1,071	1,071	-	-	576	576	-
2009	SPP	1475	Tri County Electric Coop	U.S.	4,096	4,096	-	-	2,263	2,263	-	-	(1,064)	(1,064)	1,459	1,459	-	-	936	936	-	-	503	503	-
2009	SPP	1260	Westar Energy, Inc.	U.S.	224,677	224,677	-	-	124,108	124,108	-	-	(58,390)	(58,390)	80,033	80,033	-	-	51,315	51,315	-	-	27,612	27,612	-
2009	SPP	1259	Western Farmers Electric Cooperative	U.S.	75,156	75,156	-	-	41,515	41,515	-	-	(19,532)	(19,532)	26,772	26,772	-	-	17,165	17,165	-	-	9,236	9,236	-
2009	SPP	1501	West Texas Municipal Power Agency	U.S.	19,432	19,432	-	-	10,734	10,734	-	-	(5,050)	(5,050)	6,922	6,922	-	-	4,438	4,438	-	-	2,388	2,388	-
			TOTAL SPP		2,062,618	2,062,618	-	-	1,139,352	1,139,352	-	-	(536,044)	(536,044)	734,733	734,733	-	-	471,090	471,090	-	-	253,487	253,487	-
2009	TRE	1019	ERCOT	U.S.	2,747,057	2,747,057	-	-	1,730,038	1,730,038	-	-	(813,951)	(813,951)	1,115,647	1,115,647	-	-	715,322	715,322	-	-	-	-	-
					2,747,057	2,747,057	-	-	1,730,038	1,730,038	-	-	(813,951)	(813,951)	1,115,647	1,115,647	-	-	715,322	715,322	-	-	-	-	-
2009	WECC		Alberta Electric System Operator	Canada	521,236	-	521,236	-	316,886	-	316,886	-	-	-	204,350	-	204,350	-	-	-	-	-	-	-	-
2009	WECC		British Columbia Transmission Corporat	Canada	699,689	-	699,689	-	339,929	-	339,929	-	-	-	219,209	-	219,209	-	-	140,551	-	140,551	-	-	-
2009	WECC		Comision Federal de Electricidad	Mexico	124,091	-	-	124,091	60,287	-	60,287	-	-	-	38,877	-	38,877	-	-	24,927	-	24,927	-	-	-
2009	WECC		Agua Irrigation District	U.S.	253	253	-	-	159	159	-	-	(75)	(75)	103	103	-	-	66	66	-	-	-	-	-
2009	WECC		Aha Macav Power Service	U.S.	221	221	-	-	139	139	-	-	(66)	(66)	90	90	-	-	58	58	-	-	-	-	-
2009	WECC		Ajo Improvement District	U.S.	124	124	-	-	78	78	-	-	(37)	(37)	50	50	-	-	32	32	-	-	-	-	-
2009	WECC		Ak-Chin	U.S.	275	275	-	-	173	173	-	-	(81)	(81)	112	112	-	-	72	72	-	-	-	-	-
2009	WECC		ALCOA INC.	U.S.	22,158	22,158	-	-	13,955	13,955	-	-	(6,565)	(6,565)	8,999	8,999	-	-	5,770	5,770	-	-	-	-	-
2009	WECC		Arizona Public Service Company	U.S.	273,675	273,675	-	-	172,355	172,355	-	-	(81,090)	(81,090)	111,146	111,146	-	-	71,264	71,264	-	-	-	-	-
2009	WECC		Arkansas River Power Authority (ARPA)	U.S.	2,203	2,203	-	-	1,387	1,387	-	-	(653)	(653)	895	895	-	-	574	574	-	-	-	-	-
2009	WECC		Arlington Valley	U.S.	11	11	-	-	7	7	-	-	(3)	(3)	4	4	-	-	3	3	-	-	-	-	-
2009	WECC		Avista Adjusted LSE NEL	U.S.	84,953	84,953	-	-	53,501	53,501	-	-	(25,171)	(25,171)	34,501	34,501	-	-	22,121	22,121	-	-	-	-	-
2009	WECC		AVISTA CORPORATION	U.S.	2,060	2,060	-	-	1,297	1,297	-	-	(610)	(610)	837	837	-	-	536	536					

Data Year	Regional Entity	ID	Entity	Country	Total Regional Entity Assessments (Including WIRAB Assessments)				Regional Entity NEL Assessments				Penalty Sanctions - US Only		NPCC CORC US Only Staff		NPCC Audit Based 45% CORC Program			WECC Compliance Assessments (ex.AESO)				WIRAB Assessments			
					Total	US Total	Canada Total	Mexico Total	Total	US Total	Canada Total	Mexico Total	Total	US Total	Total	US Total	Total	US Total	Canada Total	Total	US Total	Canada Total	Mexico Total	Total	US Total	Canada Total	Mexico Total
2009	FRCC	1074	Alachua, City of	U.S.	2,672	2,672	-	-	2,699	2,699	-	-	(27)	(27)													
2009	FRCC	1075	Barrow, City of	U.S.	6,603	6,603	-	-	6,669	6,669	-	-	(66)	(66)													
2009	FRCC	1076	Chattahoochee, City of	U.S.	955	955	-	-	964	964	-	-	(10)	(10)													
2009	FRCC	1077	Florida Keys Electric Cooperative Assn	U.S.	14,980	14,980	-	-	15,131	15,131	-	-	(151)	(151)													
2009	FRCC	1078	Florida Power & Light Co.	U.S.	2,412,303	2,412,303	-	-	2,436,586	2,436,586	-	-	(24,283)	(24,283)													
2009	FRCC	1079	Florida Public Utilities Company	U.S.	8,876	8,876	-	-	9,366	9,366	-	-	(490)	(490)													
2009	FRCC	1080	Gainesville Regional Utilities	U.S.	41,173	41,173	-	-	41,587	41,587	-	-	(414)	(414)													
2009	FRCC	1081	Homestead, City of	U.S.	10,622	10,622	-	-	10,729	10,729	-	-	(107)	(107)													
2009	FRCC	1082	JEA	U.S.	279,223	279,223	-	-	282,034	282,034	-	-	(2,811)	(2,811)													
2009	FRCC	1083	Lakeland Electric	U.S.	65,526	65,526	-	-	66,185	66,185	-	-	(660)	(660)													
2009	FRCC	1084	Mount Dora, City of	U.S.	2,078	2,078	-	-	2,099	2,099	-	-	(21)	(21)													
2009	FRCC	1085	New Smyrna Beach, Utilities Commission	U.S.	8,519	8,519	-	-	8,605	8,605	-	-	(86)	(86)													
2009	FRCC	1086	Orlando Utilities Commission	U.S.	123,803	123,803	-	-	125,049	125,049	-	-	(1,246)	(1,246)													
2009	FRCC	1087	Progress Energy Florida	U.S.	912,610	912,610	-	-	921,797	921,797	-	-	(9,187)	(9,187)													
2009	FRCC	1088	Quincy, City of	U.S.	3,169	3,169	-	-	3,201	3,201	-	-	(32)	(32)													
2009	FRCC	1089	Reedy Creek Improvement District	U.S.	26,916	26,916	-	-	27,186	27,186	-	-	(271)	(271)													
2009	FRCC	1090	St. Cloud, City of (OUC)	U.S.	13,140	13,140	-	-	13,272	13,272	-	-	(132)	(132)													
2009	FRCC	1091	Tallahassee, City of	U.S.	61,431	61,431	-	-	62,049	62,049	-	-	(618)	(618)													
2009	FRCC	1092	Tampa Electric Company	U.S.	432,554	432,554	-	-	436,908	436,908	-	-	(4,354)	(4,354)													
2009	FRCC	1603	Vero Beach, City of	U.S.	16,491	16,491	-	-	16,657	16,657	-	-	(166)	(166)													
2009	FRCC	1093	Wauchula, City of	U.S.	1,477	1,477	-	-	1,492	1,492	-	-	(15)	(15)													
2009	FRCC	1094	Williston, City of	U.S.	771	771	-	-	779	779	-	-	(8)	(8)													
2009	FRCC	1095	Winter Park, City of	U.S.	9,978	9,978	-	-	10,078	10,078	-	-	(100)	(100)													
2009	FRCC	1072	Florida Municipal Power Agency	U.S.	134,710	134,710	-	-	136,066	136,066	-	-	(1,356)	(1,356)													
2009	FRCC	1073	Seminole Electric Cooperative	U.S.	376,482	376,482	-	-	380,272	380,272	-	-	(3,790)	(3,790)													
TOTAL FRCC					4,967,060	4,967,060	-	-	5,017,060	5,017,060	-	-	(50,000)	(50,000)													
2009	MRO	1199	Basin Electric Power Cooperative	U.S.	319,014	319,014	-	-	325,392	325,392	-	-	(6,378)	(6,378)													
2009	MRO	1201	Central Iowa Power Cooperative (CIPCO)	U.S.	82,812	82,812	-	-	84,468	84,468	-	-	(1,656)	(1,656)													
2009	MRO	1204	Corn Belt Power Cooperative	U.S.	56,758	56,758	-	-	57,893	57,893	-	-	(1,135)	(1,135)													
2009	MRO	1207	Dartmouth Power Cooperative	U.S.	161,721	161,721	-	-	164,955	164,955	-	-	(3,233)	(3,233)													
2009	MRO	1210	Great River Energy	U.S.	411,884	411,884	-	-	420,119	420,119	-	-	(8,235)	(8,235)													
2009	MRO	1222	Minnkota Power Cooperative, Inc.	U.S.	118,758	118,758	-	-	121,132	121,132	-	-	(2,374)	(2,374)													
2009	MRO	1230	Nebraska Public Power District	U.S.	393,890	393,890	-	-	401,765	401,765	-	-	(7,875)	(7,875)													
2009	MRO	1232	Omaha Public Power District	U.S.	320,468	320,468	-	-	326,875	326,875	-	-	(6,407)	(6,407)													
2009	MRO	1237	Southern Montana Generation and Trans	U.S.	139	139	-	-	141	141	-	-	(3)	(3)													
2009	MRO	1240	Western Area Power Administration (UM)	U.S.	258,813	258,813	-	-	263,988	263,988	-	-	(5,174)	(5,174)													
2009	MRO	1239	Western Area Power Administration (LM)	U.S.	3,946	3,946	-	-	4,025	4,025	-	-	(79)	(79)													
2009	MRO	1217	Manitoba Hydro	CAN	781,792	-	781,792	-	781,792	-	781,792	-	-	-	-												
2009	MRO	1235	SaskPower	CAN	626,375	-	626,375	-	626,375	-	626,375	-	-	-													
2009	MRO	1195	Alliant Energy (Alliant East - WPL & Alliar	U.S.	863,618	863,618	-	-	880,884	880,884	-	-	(17,266)	(17,266)													
2009	MRO	1216	Madison, Gas and Electric	U.S.	103,616	103,616	-	-	105,688	105,688	-	-	(2,072)	(2,072)													
2009	MRO	1220	MidAmerican Energy Company	U.S.	669,517	669,517	-	-	682,903	682,903	-	-	(13,386)	(13,386)													
2009	MRO	1221	Minnesota Power	U.S.	312,829	312,829	-	-	319,084	319,084	-	-	(6,254)	(6,254)													
2009	MRO	1226	Montana-Dakota Utilities Co.	U.S.	80,645	80,645	-	-	82,257	82,257	-	-	(1,612)	(1,612)													
2009	MRO	1231	NorthWestern Energy	U.S.	44,166	44,166	-	-	45,049	45,049	-	-	(883)	(883)													
2009	MRO	1233	Otter Tail Power Company	U.S.	132,872	132,872	-	-	135,529	135,529	-	-	(2,657)	(2,657)													
2009	MRO	1243	Integrus Energy Group (WPS and UPPCC	U.S.	420,149	420,149	-	-	428,549	428,549	-	-	(8,400)	(8,400)													
2009	MRO	1244	Xcel Energy Company (NSP)	U.S.	1,396,413	1,396,413	-	-	1,424,331	1,424,331	-	-	(27,919)	(27,919)													
2009	MRO	1196	Ames Municipal Electric System	U.S.	22,608	22,608	-	-	23,060	23,060	-	-	(452)	(452)													
2009	MRO	1604	Atlantic Municipal Utilities	U.S.	2,474	2,474	-	-	2,523	2,523	-	-	(49)	(49)													
2009	MRO	1476	Badger Power Marketing Authority of Wis	U.S.	10,786	10,786	-	-	11,002	11,002	-	-	(216)	(216)													
2009	MRO	1200	Cedar Falls Municipal Utilities	U.S.	15,744	15,744	-	-	16,059	16,059	-	-	(315)	(315)													
2009	MRO	1477	Central Minnesota Municipal Power Agen	U.S.	13,283	13,283	-	-	13,549	13,549	-	-	(266)	(266)													
2009	MRO	1605	City of Pella	U.S.	5,434	5,434	-	-	5,543	5,543	-	-	(109)	(109)													
2009	MRO	1203	Essenebas Municipal Electric Utility	U.S.	4,393	4,393	-	-	4,481	4,481	-	-	(88)	(88)													
2009	MRO	1205	Falls City Water & Light Department	U.S.	1,190	1,190	-	-	1,214	1,214	-	-	(24)	(24)													
2009	MRO	1206	Fremont Department of Utilities	U.S.	12,988	12,988	-	-	13,247	13,247	-	-	(260)	(260)													
2009	MRO	1208	Geneseo Municipal Utilities	U.S.	1,985	1,985	-	-	2,024	2,024	-	-	(40)	(40)													
2009	MRO	1209	Grand Island Utilities Department	U.S.	21,190	21,190	-	-	21,614	21,614	-	-	(424)	(424)													
2009	MRO	1606	Harlan Municipal Utilities	U.S.	577	577	-	-	588	588	-	-	(12)	(12)													
2009	MRO	1211	Hastings Utilities	U.S.	12,284	12,284	-	-	12,530	12,530	-	-	(246)	(246)													
2009	MRO	1212	Heartland Consumers Power District	U.S.	20,558	20,558	-	-	20,969	20,969	-	-	(411)	(411)													
2009	MRO	1213	Hutchinson Utilities Commission	U.S.	8,992	8,992	-	-	9,172	9,172	-	-	(180)	(180)													
2009	MRO	1215	Lincoln Electric System	U.S.	97,788	97,788	-	-	99,743	99,743	-	-	(1,955)	(1,955)													
2009	MRO	1218	Manitowoc Public Utilities	U.S.	16,015	16,015	-	-	16,335	16,335	-	-	(320)	(320)													
2009	MRO	1223	Missouri River Energy Services	U.S.	67,284	67,284	-	-	68,629	68,629	-	-	(1,345)	(1,345)													
2009	MRO	1224	MN Municipal Power Agency (MMPA)	U.S.	43,064	43,064	-	-	43,925	43,925	-	-	(861)	(861)													
2009	MRO	1607	Montezuma Municipal Light & Power	U.S.	816	816	-	-	833	833	-	-	(16)	(16)													
2009	MRO	1227	Municipal Energy Agency of Nebraska	U.S.	30,218	30,218	-	-	30,822	30,822	-	-	(604)	(604)													
2009	MRO	1228	Muscatine Power and Water	U.S.	26,342</																						

Data Year	Regional Entity	ID	Entity	Country	Total Regional Entity Assessments (Including WIRAB Assessments)				Regional Entity NEL Assessments				Penalty Sanctions - US Only		NPCC CORC US Only Staff		NPCC Audit Based 45% CORC Program			WECC Compliance Assessments (ex.AESO)				WIRAB Assessments			
					Total	US Total	Canada Total	Mexico Total	Total	US Total	Canada Total	Mexico Total	Total	US Total	Total	US Total	Total	US Total	Canada Total	Total	US Total	Canada Total	Mexico Total	Total	US Total	Canada Total	Mexico Total
2009	SERC	1274	Big Rivers Electric Corporation	U.S.	107,164	107,164	-	-	116,393	116,393	-	-	(9,229)	(9,229)													
2009	SERC	1275	Black Warrior EMC	U.S.	4,490	4,490	-	-	4,877	4,877	-	-	(387)	(387)													
2009	SERC	1276	Blue Ridge EMC	U.S.	12,382	12,382	-	-	13,448	13,448	-	-	(1,066)	(1,066)													
2009	SERC	1463	Canton, MS	U.S.	1,322	1,322	-	-	1,435	1,435	-	-	(114)	(114)													
2009	SERC	1277	Central Electric Power Cooperative Inc.	U.S.	166,553	166,553	-	-	180,896	180,896	-	-	(14,343)	(14,343)													
2009	SERC	1278	City of Blountstown FL	U.S.	7,098	7,098	-	-	7,709	7,709	-	-	(611)	(611)													
2009	SERC	1279	City of Camden SC	U.S.	2,205	2,205	-	-	2,395	2,395	-	-	(190)	(190)													
2009	SERC	1280	City of Collins MS	U.S.	484	484	-	-	526	526	-	-	(42)	(42)													
2009	SERC	1281	City of Columbia MO	U.S.	14,802	14,802	-	-	16,076	16,076	-	-	(1,275)	(1,275)													
2009	SERC	1282	City of Conway AR (Conway Corporation)	U.S.	10,347	10,347	-	-	11,238	11,238	-	-	(891)	(891)													
2009	SERC	1284	City of Evergreen AL	U.S.	668	668	-	-	725	725	-	-	(57)	(57)													
2009	SERC	1285	City of Hampton GA	U.S.	265	265	-	-	288	288	-	-	(23)	(23)													
2009	SERC	1286	City of Hartford AL	U.S.	337	337	-	-	366	366	-	-	(29)	(29)													
2009	SERC	1287	City of Henderson (KY) Municipal Power I	U.S.	7,098	7,098	-	-	7,709	7,709	-	-	(611)	(611)													
2009	SERC	1288	City of North Little Rock AR (DENL)	U.S.	10,393	10,393	-	-	11,288	11,288	-	-	(895)	(895)													
2009	SERC	1289	City of Orangeburg SC Department of Pu	U.S.	9,978	9,978	-	-	10,838	10,838	-	-	(859)	(859)													
2009	SERC	1290	City of Robertsdale AL	U.S.	910	910	-	-	989	989	-	-	(78)	(78)													
2009	SERC	1291	City of Ruston LA (DERS)	U.S.	2,910	2,910	-	-	3,161	3,161	-	-	(251)	(251)													
2009	SERC	1292	City of Seneca SC	U.S.	1,648	1,648	-	-	1,790	1,790	-	-	(142)	(142)													
2009	SERC	1115	City of Springfield (CWLP)	U.S.	19,561	19,561	-	-	21,246	21,246	-	-	(1,685)	(1,685)													
2009	SERC	1465	City of Thayer, MO	U.S.	170	170	-	-	184	184	-	-	(15)	(15)													
2009	SERC	1293	City of Troy AL	U.S.	3,984	3,984	-	-	4,327	4,327	-	-	(343)	(343)													
2009	SERC	1294	City of West Memphis AR (West Memphi	U.S.	4,279	4,279	-	-	4,647	4,647	-	-	(368)	(368)													
2009	SERC	1583	Claborne Electric Cooperative, Inc.	U.S.	6,547	6,547	-	-	7,111	7,111	-	-	(564)	(564)													
2009	SERC	1584	Concordia Electric Cooperative, Inc.	U.S.	2,669	2,669	-	-	2,898	2,898	-	-	(230)	(230)													
2009	SERC	1283	Dalton Utilities	U.S.	15,888	15,888	-	-	17,257	17,257	-	-	(1,368)	(1,368)													
2009	SERC	1585	Dixie Electric Membership Corporation	U.S.	23,908	23,908	-	-	25,967	25,967	-	-	(2,059)	(2,059)													
2009	SERC	1295	Dominion Virginia Power	U.S.	897,782	897,782	-	-	975,097	975,097	-	-	(77,314)	(77,314)													
2009	SERC	1296	Duke Energy Carolinas, LLC	U.S.	871,520	871,520	-	-	946,573	946,573	-	-	(75,053)	(75,053)													
2009	SERC	1466	Durant, MS	U.S.	332	332	-	-	361	361	-	-	(29)	(29)													
2009	SERC	1478	E.ON U.S. Services Inc.	U.S.	362,147	362,147	-	-	393,334	393,334	-	-	(31,187)	(31,187)													
2009	SERC	1297	East Kentucky Power Cooperative	U.S.	133,331	133,331	-	-	144,813	144,813	-	-	(11,482)	(11,482)													
2009	SERC	1298	East Mississippi Electric Power Associati	U.S.	4,747	4,747	-	-	5,156	5,156	-	-	(409)	(409)													
2009	SERC	1299	Electric Energy Inc.	U.S.	14,284	14,284	-	-	15,515	15,515	-	-	(1,230)	(1,230)													
2009	SERC	1300	EnergyUnited EMC	U.S.	25,866	25,866	-	-	28,093	28,093	-	-	(2,227)	(2,227)													
2009	SERC	1301	Entergy	U.S.	1,176,497	1,176,497	-	-	1,277,814	1,277,814	-	-	(101,317)	(101,317)													
2009	SERC	1302	Fayetteville (NC) Public Works Commissi	U.S.	24,091	24,091	-	-	26,166	26,166	-	-	(2,075)	(2,075)													
2009	SERC	1303	Florida Public Utilities (FL Panhandle Loa	U.S.	3,764	3,764	-	-	4,088	4,088	-	-	(324)	(324)													
2009	SERC	1304	French Broad EMC	U.S.	5,567	5,567	-	-	6,046	6,046	-	-	(479)	(479)													
2009	SERC	1305	Georgia Power Company	U.S.	920,066	920,066	-	-	999,299	999,299	-	-	(79,233)	(79,233)													
2009	SERC	1306	Georgia System Optns Corporation	U.S.	408,457	408,457	-	-	443,632	443,632	-	-	(35,175)	(35,175)													
2009	SERC	1479	Greenwood (MS) Utilities Commission	U.S.	3,041	3,041	-	-	3,303	3,303	-	-	(262)	(262)													
2009	SERC	1307	Greenwood (SC) Commissioners of Publi	U.S.	3,572	3,572	-	-	3,880	3,880	-	-	(308)	(308)													
2009	SERC	1308	Gulf Power Company	U.S.	125,743	125,743	-	-	136,571	136,571	-	-	(10,829)	(10,829)													
2009	SERC	1586	Haywood EMC	U.S.	3,281	3,281	-	-	3,564	3,564	-	-	(283)	(283)													
2009	SERC	1309	Illinois Municipal Electric Agency	U.S.	19,498	19,498	-	-	21,177	21,177	-	-	(1,679)	(1,679)													
2009	SERC	1480	Ita Bena, MS	U.S.	172	172	-	-	186	186	-	-	(15)	(15)													
2009	SERC	1587	Jefferson Davis Electric Cooperative, Inc.	U.S.	2,428	2,428	-	-	2,637	2,637	-	-	(209)	(209)													
2009	SERC	1617	Kentucky Municipal Power	U.S.	7,790	7,790	-	-	8,461	8,461	-	-	(671)	(671)													
2009	SERC	1481	Kosciusko, MS	U.S.	787	787	-	-	855	855	-	-	(68)	(68)													
2009	SERC	1482	Leland, MS	U.S.	347	347	-	-	376	376	-	-	(30)	(30)													
2009	SERC	1313	McCormick Commission of Public Works	U.S.	247	247	-	-	268	268	-	-	(21)	(21)													
2009	SERC	1314	Mississippi Power Company	U.S.	107,484	107,484	-	-	116,740	116,740	-	-	(9,256)	(9,256)													
2009	SERC	1315	Municipal Electric Authority of Georgia	U.S.	113,926	113,926	-	-	123,737	123,737	-	-	(9,811)	(9,811)													
2009	SERC	1316	N.C. Electric Membership Corp.	U.S.	133,054	133,054	-	-	144,512	144,512	-	-	(11,458)	(11,458)													
2009	SERC	1317	North Carolina Eastern Municipal Power /	U.S.	79,702	79,702	-	-	85,566	85,566	-	-	(6,864)	(6,864)													
2009	SERC	1318	North Carolina Municipal Power Agency #	U.S.	49,682	49,682	-	-	53,960	53,960	-	-	(4,278)	(4,278)													
2009	SERC	1588	Northeast Louisiana Power Cooperative, I	U.S.	2,994	2,994	-	-	3,252	3,252	-	-	(258)	(258)													
2009	SERC	1574	Northern Virginia Electric Cooperative	U.S.	37,684	37,684	-	-	40,929	40,929	-	-	(3,245)	(3,245)													
2009	SERC	1319	Old Dominion Electric Cooperative	U.S.	60,169	60,169	-	-	65,351	65,351	-	-	(5,182)	(5,182)													
2009	SERC	1618	Osceola (Arkansas) Municipal Light and F	U.S.	2,899	2,899	-	-	3,148	3,148	-	-	(250)	(250)													
2009	SERC	1320	Owensboro (KY) Municipal Utilities	U.S.	9,477	9,477	-	-	10,293	10,293	-	-	(816)	(816)													
2009	SERC	1321	Piedmont EMC in Duke and Progress Are	U.S.	5,458	5,458	-	-	5,928	5,928	-	-	(470)	(470)													
2009	SERC	1323	Piedmont Municipal Power Agency (PMP)	U.S.	24,646	24,646	-	-	26,768	26,768	-	-	(2,122)	(2,122)													
2009	SERC	1589	Pointe Coupee Electric Memb. Corp.	U.S.	2,857	2,857	-	-	3,103	3,103	-	-	(246)	(246)													
2009	SERC	1266	PowerSouth Energy	U.S.	89,231	89,231	-	-	96,915	96,915	-	-	(7,684)	(7,684)													
2009	SERC	1330	Prairie Power, Inc.	U.S.	16,602	16,602	-	-	18,031	18,031	-	-	(1,430)	(1,430)													
2009	SERC	1324	Progress Energy Carolinas	U.S.	492,029	492,029	-	-	534,401	534,401	-	-	(42,372)	(42,372)													
2009	SERC	1325	Rutherford EMC	U.S.	13,637	13,637	-	-	14,812	14,812	-	-	(1,174)	(1,174)													
2009	SERC	1326	South Carolina Electric & Gas Company	U.S.	239,749	239,749	-	-	260,396	260,396	-	-	(20,647)	(20,647)													

2009 NEL Calculations and Allocations to Load Serving Entities (or Designee) for the 2011 NERC and RE Assessments

Data Year	Regional Entity	ID	Entity	Country	Total Regional Entity Assessments (Including WIRAB Assessments)				Regional Entity NEL Assessments				Penalty Sanctions - US Only		NPCC CORC US Only Staff		NPCC Audit Based 45% CORC Program			WECC Compliance Assessments (ex.AESO)				WIRAB Assessments			
					Total	US Total	Canada Total	Mexico Total	Total	US Total	Canada Total	Mexico Total	Total	US Total	Total	US Total	Total	US Total	Canada Total	Total	US Total	Canada Total	Mexico Total	Total	US Total	Canada Total	Mexico Total
2009	WECC		CITY OF HERMISTON DBA HERMISTON	U.S.	5,182	5,182	-	-	4,527	4,527	-	-	(137)	(137)							750	750			43	43	
2009	WECC		CITY OF HEYBURN	U.S.	1,829	1,829	-	-	1,598	1,598	-	-	(48)	(48)							265	265			15	15	
2009	WECC		City of Las Vegas	U.S.	393	393	-	-	343	343	-	-	(10)	(10)							57	57			3	3	
2009	WECC		CITY OF MCCLEARY	U.S.	1,554	1,554	-	-	1,358	1,358	-	-	(41)	(41)							225	225			13	13	
2009	WECC		CITY OF MCMINNVILLE	U.S.	32,024	32,024	-	-	27,974	27,974	-	-	(849)	(849)							4,633	4,633			266	266	
2009	WECC		CITY OF MILTON	U.S.	2,983	2,983	-	-	2,968	2,968	-	-	(79)	(79)							432	432			25	25	
2009	WECC		CITY OF MILTON-FREEWATER	U.S.	5,410	5,410	-	-	4,726	4,726	-	-	(143)	(143)							783	783			45	45	
2009	WECC		CITY OF MINIDOKA	U.S.	46	46	-	-	40	40	-	-	(1)	(1)							7	7			0	0	
2009	WECC		CITY OF MONMOUTH	U.S.	3,298	3,298	-	-	2,881	2,881	-	-	(87)	(87)							477	477			27	27	
2009	WECC		City of Needles	U.S.	1,787	1,787	-	-	1,561	1,561	-	-	(47)	(47)							259	259			15	15	
2009	WECC		CITY OF PLUMMER	U.S.	1,583	1,583	-	-	1,382	1,382	-	-	(42)	(42)							229	229			13	13	
2009	WECC		CITY OF PORT ANGELES	U.S.	31,447	31,447	-	-	27,469	27,469	-	-	(834)	(834)							4,550	4,550			261	261	
2009	WECC		City of Redding	U.S.	29,692	29,692	-	-	25,937	25,937	-	-	(787)	(787)							4,296	4,296			247	247	
2009	WECC		CITY OF RICHLAND	U.S.	39,536	39,536	-	-	34,535	34,535	-	-	(1,048)	(1,048)							5,720	5,720			328	328	
2009	WECC		City of Roseville	U.S.	57,616	57,616	-	-	50,329	50,329	-	-	(1,527)	(1,527)							8,336	8,336			479	479	
2009	WECC		CITY OF RUPERT	U.S.	3,728	3,728	-	-	3,256	3,256	-	-	(99)	(99)							539	539			31	31	
2009	WECC		City of Shasta Lake	U.S.	8,154	8,154	-	-	7,123	7,123	-	-	(216)	(216)							1,180	1,180			68	68	
2009	WECC		CITY OF TACOMA DBA TACOMA POWI	U.S.	18	18	-	-	15	15	-	-	(0)	(0)							3	3			0	0	
2009	WECC		CITY OF TROY	U.S.	808	808	-	-	706	706	-	-	(21)	(21)							117	117			7	7	
2009	WECC		CITY OF WEISER	U.S.	2,494	2,494	-	-	2,178	2,178	-	-	(66)	(66)							361	361			21	21	
2009	WECC		City of Williams	U.S.	1,792	1,792	-	-	1,566	1,566	-	-	(48)	(48)							259	259			15	15	
2009	WECC		CLARK PUBLIC UTILITIES	U.S.	207,901	207,901	-	-	181,606	181,606	-	-	(5,511)	(5,511)							30,079	30,079			1,727	1,727	
2009	WECC		CLATSkanie PUD	U.S.	44,323	44,323	-	-	38,717	38,717	-	-	(1,176)	(1,176)							6,413	6,413			368	368	
2009	WECC		CLEARWATER COOPERATIVE, INC	U.S.	2,013	2,013	-	-	1,758	1,758	-	-	(53)	(53)							291	291			17	17	
2009	WECC		Clearwater Power Company	U.S.	7,334	7,334	-	-	6,406	6,406	-	-	(194)	(194)							1,061	1,061			61	61	
2009	WECC		Colorado River Agency-Bureau of Indian /	U.S.	168	168	-	-	146	146	-	-	(4)	(4)							24	24			1	1	
2009	WECC		Colorado River Commission	U.S.	32,185	32,185	-	-	28,114	28,114	-	-	(853)	(853)							4,656	4,656			267	267	
2009	WECC		Colorado Springs Utilities	U.S.	190,822	190,822	-	-	166,688	166,688	-	-	(5,058)	(5,058)							27,608	27,608			1,585	1,585	
2009	WECC		COLUMBIA BASIN ELECTRIC COOPER	U.S.	4,846	4,846	-	-	4,233	4,233	-	-	(128)	(128)							701	701			40	40	
2009	WECC		COLUMBIA FALLS ALUMINUM COMPA	U.S.	15,048	15,048	-	-	13,145	13,145	-	-	(399)	(399)							2,177	2,177			125	125	
2009	WECC		COLUMBIA POWER COOPERATIVE AS	U.S.	1,042	1,042	-	-	910	910	-	-	(28)	(28)							151	151			9	9	
2009	WECC		COLUMBIA REA	U.S.	13,792	13,792	-	-	12,047	12,047	-	-	(366)	(366)							1,995	1,995			115	115	
2009	WECC		COLUMBIA RIVER PUD (BPA)	U.S.	7,666	7,666	-	-	6,696	6,696	-	-	(203)	(203)							1,109	1,109			64	64	
2009	WECC		Columbia River PUD (PGE)	U.S.	14,384	14,384	-	-	12,565	12,565	-	-	(381)	(381)							2,081	2,081			119	119	
2009	WECC		CONSOLIDATED IRRIGATION DISTRICT	U.S.	93	93	-	-	81	81	-	-	(2)	(2)							13	13			1	1	
2009	WECC		Constellation New Energy, Inc.	U.S.	1,335	1,335	-	-	1,166	1,166	-	-	(35)	(35)							193	193			11	11	
2009	WECC		CONSUMERS POWER, INC.	U.S.	19,221	19,221	-	-	16,790	16,790	-	-	(510)	(510)							2,781	2,781			160	160	
2009	WECC		COOS-CURRY ELECTRIC COOPERATI	U.S.	15,943	15,943	-	-	13,927	13,927	-	-	(423)	(423)							2,307	2,307			132	132	
2009	WECC		Diesel Generation & Transmission Co-Op	U.S.	3,090	3,090	-	-	2,699	2,699	-	-	(82)	(82)							447	447			26	26	
2009	WECC		Douglas - Palisades	U.S.	844	844	-	-	737	737	-	-	(22)	(22)							122	122			7	7	
2009	WECC		DOUGLAS ELECTRIC COOPERATIVE,	U.S.	4,386	4,386	-	-	3,831	3,831	-	-	(116)	(116)							635	635			36	36	
2009	WECC		EAST END MUTUAL ELECTRIC COMP	U.S.	1,019	1,019	-	-	890	890	-	-	(27)	(27)							147	147			8	8	
2009	WECC		El Paso Electric Company	U.S.	349,512	349,512	-	-	305,307	305,307	-	-	(9,265)	(9,265)							50,567	50,567			2,903	2,903	
2009	WECC		Electrical District #2	U.S.	8,167	8,167	-	-	7,134	7,134	-	-	(216)	(216)							1,182	1,182			68	68	
2009	WECC		Electrical District No. 6 of Pinal County	U.S.	54	54	-	-	48	48	-	-	(1)	(1)							8	8			0	0	
2009	WECC		Electrical District No. 7 of Maricopa County	U.S.	1,278	1,278	-	-	1,117	1,117	-	-	(34)	(34)							85	85			11	11	
2009	WECC		Electrical District No. 8 of Maricopa County	U.S.	11,876	11,876	-	-	10,374	10,374	-	-	(315)	(315)							1,718	1,718			99	99	
2009	WECC		Electrical Districts 1 & 3	U.S.	26,777	26,777	-	-	23,391	23,391	-	-	(710)	(710)							3,874	3,874			222	222	
2009	WECC		ELMHURST MUTUAL POWER & LIGHT	U.S.	12,869	12,869	-	-	11,241	11,241	-	-	(341)	(341)							1,862	1,862			107	107	
2009	WECC		EMERALD PUD	U.S.	23,226	23,226	-	-	20,289	20,289	-	-	(616)	(616)							3,360	3,360			193	193	
2009	WECC		ENERGY NORTHWEST	U.S.	2,500	2,500	-	-	2,184	2,184	-	-	(66)	(66)							362	362			21	21	
2009	WECC		EPCOR Merchant and Capital (US) Inc.	U.S.	3,240	3,240	-	-	2,830	2,830	-	-	(86)	(86)							469	469			27	27	
2009	WECC		EUGENE WATER & ELECTRIC BOARD	U.S.	113,180	113,180	-	-	98,865	98,865	-	-	(3,000)	(3,000)							16,375	16,375			940	940	
2009	WECC		FARMERS ELECTRIC COMPANY, LTD.	U.S.	204	204	-	-	178	178	-	-	(5)	(5)							30	30			2	2	
2009	WECC		Farmington Electric Utility System	U.S.	51,806	51,806	-	-	45,254	45,254	-	-	(1,373)	(1,373)							7,495	7,495			430	430	
2009	WECC		FLATHEAD ELECTRIC COOPERATIVE,	U.S.	64,219	64,219	-	-	56,096	56,096	-	-	(1,702)	(1,702)							9,291	9,291			533	533	
2009	WECC		Fredonia, Town of	U.S.	62	62	-	-	55	55	-	-	(2)	(2)							9	9			1	1	
2009	WECC		GLACIER ELECTRIC COOPERATIVE, IP	U.S.	8,255	8,255	-	-	7,211	7,211	-	-	(219)	(219)							1,194	1,194			69	69	
2009	WECC		Grand Valley	U.S.	10,578	10,578	-	-	9,240	9,240	-	-	(280)	(280)							1,530	1,530			88	88	
2009	WECC		Grant LSE Load	U.S.	167,794	167,794	-	-	146,572	146,572	-	-	(4,448)	(4,448)							24,276	24,276			1,394	1,394	
2009	WECC		Harney Electric Coop	U.S.	3,503	3,503	-	-	3,060	3,060	-	-	(93)	(93)							507	507			29	29	
2009	WECC		HARNEY ELECTRIC COOPERATIVE, IN	U.S.	5,220	5,220	-	-	4,560	4,560	-	-	(138)	(138)							755	755			43	43	
2009	WECC		Harquahala Valley Power District	U.S.	3,381	3,381	-	-	2,954	2,954	-	-	(90)	(90)							489	489			28	28	
2009	WECC		HERMISTON POWER LLC	U.S.	115	115	-	-	101	101	-	-	(3)	(3)							17	17			1	1	
2009	WECC		Holy Cross	U.S.	44,871	44,871	-	-	39,196	39,196	-	-	(1,189)	(1,189)							6,482						

2009 NEL Calculations and Allocations to Load Serving Entities (or Designee) for the 2011 NERC and RE Assessments

Data Year	Regional Entity	ID	Entity	Country	Total Regional Entity Assessments (Including WIRAB Assessments)				Regional Entity NEL Assessments				Penalty Sanctions - US Only		NPCC CORC US Only Staff		NPCC Audit Based 45% CORC Program			WECC Compliance Assessments (ex.AESO)				WIRAB Assessments			
					Total	US Total	Canada Total	Mexico Total	Total	US Total	Canada Total	Mexico Total	Total	US Total	Total	US Total	Canada Total	Total	US Total	Canada Total	Mexico Total	Total	US Total	Canada Total	Mexico Total		
2009	WECC		Navajo Tribal Utility Authority (APS)	U.S.	1,862	1,862	-	-	1,626	1,626	-	-	(49)	(49)					269	269			15	15			
2009	WECC		Navajo Tribal Utility Authority (PSCoNM)	U.S.	9,772	9,772	-	-	8,536	8,536	-	-	(259)	(259)					1,414	1,414			81	81			
2009	WECC		Navopache Electric Cooperative, Inc	U.S.	21,440	21,440	-	-	18,728	18,728	-	-	(568)	(568)					3,102	3,102			178	178			
2009	WECC		Nebraska Public Power Marketing	U.S.	160	160	-	-	140	140	-	-	(4)	(4)					23	23			1	1			
2009	WECC		Needles Public Utilities Authority	U.S.	1,661	1,661	-	-	1,451	1,451	-	-	(44)	(44)					240	240			14	14			
2009	WECC		NESPEL VALLEY ELECTRIC COOPE	U.S.	2,385	2,385	-	-	2,392	2,392	-	-	(63)	(63)					346	346			20	20			
2009	WECC		Nevada Power Company	U.S.	998,993	998,993	-	-	872,644	872,644	-	-	(26,481)	(26,481)					144,533	144,533			8,297	8,297			
2009	WECC		New Harquahala	U.S.	60	60	-	-	53	53	-	-	(2)	(2)					9	9			1	1			
2009	WECC		Northern Lights Inc.	U.S.	1,249	1,249	-	-	1,091	1,091	-	-	(33)	(33)					181	181			10	10			
2009	WECC		NORTHERN LIGHTS, INC.	U.S.	13,974	13,974	-	-	12,207	12,207	-	-	(370)	(370)					2,022	2,022			116	116			
2009	WECC		NORTHERN WASCO COUNTY PUD	U.S.	27,248	27,248	-	-	23,802	23,802	-	-	(722)	(722)					3,942	3,942			226	226			
2009	WECC		NWMT	U.S.	13,772	13,772	-	-	12,031	12,031	-	-	(365)	(365)					1,993	1,993			114	114			
2009	WECC		OHOP MUTUAL LIGHT COMPANY	U.S.	4,059	4,059	-	-	3,546	3,546	-	-	(108)	(108)					587	587			34	34			
2009	WECC		ORCAS POWER & LIGHT COOPERATI	U.S.	9,786	9,786	-	-	8,548	8,548	-	-	(259)	(259)					1,418	1,418			81	81			
2009	WECC		OREGON TRAIL ELECTRIC CONSUME	U.S.	30,575	30,575	-	-	26,708	26,708	-	-	(610)	(610)					4,424	4,424			254	254			
2009	WECC		Overton Power District #5	U.S.	17,529	17,529	-	-	15,312	15,312	-	-	(465)	(465)					2,536	2,536			146	146			
2009	WECC		PACIFICORP (BPA)	U.S.	701	701	-	-	612	612	-	-	(19)	(19)					101	101			6	6			
2009	WECC		PACIFICORP (PGE)	U.S.	145	145	-	-	127	127	-	-	(4)	(4)					21	21			1	1			
2009	WECC		PACIFICORP(WAPA)	U.S.	9,392	9,392	-	-	8,204	8,204	-	-	(249)	(249)					1,359	1,359			78	78			
2009	WECC		PacificCorp (PACE)	U.S.	2,048,743	2,048,743	-	-	1,789,625	1,789,625	-	-	(308)	(308)					296,410	296,410			17,016	17,016			
2009	WECC		PacificCorp (PACW)	U.S.	975,890	975,890	-	-	852,463	852,463	-	-	(25,869)	(25,869)					141,191	141,191			8,105	8,105			
2009	WECC		Page Electric Utility	U.S.	598	598	-	-	522	522	-	-	(16)	(16)					96	96			5	5			
2009	WECC		PARKLAND LIGHT AND WATER COMP.	U.S.	5,633	5,633	-	-	4,921	4,921	-	-	(149)	(149)					815	815			47	47			
2009	WECC		PENINSULA LIGHT COMPANY, INC.	U.S.	28,436	28,436	-	-	24,840	24,840	-	-	(754)	(754)					4,114	4,114			236	236			
2009	WECC		Platte River Power Authority	U.S.	143,444	143,444	-	-	125,301	125,301	-	-	(3,802)	(3,802)					20,753	20,753			1,191	1,191			
2009	WECC		PORT TOWNSEND PAPER CORPORAT	U.S.	8,949	8,949	-	-	7,817	7,817	-	-	(237)	(237)					1,295	1,295			74	74			
2009	WECC		Portland General Electric Company	U.S.	824,527	824,527	-	-	720,244	720,244	-	-	(21,856)	(21,856)					119,292	119,292			6,848	6,848			
2009	WECC		Public Service Company of Colorado	U.S.	1,316,371	1,316,371	-	-	1,149,881	1,149,881	-	-	(34,894)	(34,894)					190,451	190,451			10,933	10,933			
2009	WECC		Public Service Company of Colorado (Xce	U.S.	1,478	1,478	-	-	1,291	1,291	-	-	(39)	(39)					214	214			12	12			
2009	WECC		Public Service Company of New Mexico	U.S.	463,136	463,136	-	-	404,560	404,560	-	-	(12,277)	(12,277)					67,006	67,006			3,847	3,847			
2009	WECC		PUD NO. 1 OF DOUGLAS COUNTY	U.S.	402	402	-	-	351	351	-	-	(6)	(6)					58	58			3	3			
2009	WECC		PUD NO. 1 OF ASOTIN COUNTY	U.S.	238	238	-	-	208	208	-	-	(6)	(6)					34	34			2	2			
2009	WECC		PUD NO. 1 OF BENTON COUNTY	U.S.	80,788	80,788	-	-	70,570	70,570	-	-	(2,141)	(2,141)					11,688	11,688			671	671			
2009	WECC		PUD No. 1 of Chelan County	U.S.	147,708	147,708	-	-	129,026	129,026	-	-	(3,915)	(3,915)					21,370	21,370			1,227	1,227			
2009	WECC		PUD NO. 1 OF CLALLAM COUNTY	U.S.	31,134	31,134	-	-	27,196	27,196	-	-	(825)	(825)					4,504	4,504			259	259			
2009	WECC		PUD NO. 1 OF COWLITZ COUNTY	U.S.	222,775	222,775	-	-	194,600	194,600	-	-	(5,905)	(5,905)					32,231	32,231			1,850	1,850			
2009	WECC		PUD No. 1 of Douglas County	U.S.	67,364	67,364	-	-	58,844	58,844	-	-	(1,786)	(1,786)					9,746	9,746			559	559			
2009	WECC		PUD NO. 1 OF FERRY COUNTY	U.S.	4,504	4,504	-	-	3,934	3,934	-	-	(119)	(119)					652	652			37	37			
2009	WECC		PUD NO. 1 OF FRANKLIN COUNTY	U.S.	45,414	45,414	-	-	39,670	39,670	-	-	(1,204)	(1,204)					6,570	6,570			377	377			
2009	WECC		PUD NO. 1 OF GRAYS HARBOR	U.S.	50,121	50,121	-	-	43,782	43,782	-	-	(1,329)	(1,329)					7,251	7,251			416	416			
2009	WECC		PUD NO. 1 OF KITITAS COUNTY	U.S.	2,490	2,490	-	-	2,175	2,175	-	-	(66)	(66)					360	360			21	21			
2009	WECC		PUD NO. 1 OF KLIKITAT COUNTY	U.S.	13,629	13,629	-	-	11,906	11,906	-	-	(361)	(361)					1,972	1,972			113	113			
2009	WECC		PUD NO. 1 OF LEWIS COUNTY	U.S.	43,866	43,866	-	-	38,318	38,318	-	-	(1,163)	(1,163)					6,346	6,346			364	364			
2009	WECC		PUD NO. 1 OF MASON COUNTY	U.S.	3,633	3,633	-	-	3,173	3,173	-	-	(96)	(96)					526	526			30	30			
2009	WECC		PUD No. 1 of Pend Oreille County	U.S.	43,946	43,946	-	-	38,388	38,388	-	-	(1,165)	(1,165)					6,358	6,358			365	365			
2009	WECC		PUD NO. 1 OF SKAMANIA COUNTY	U.S.	6,294	6,294	-	-	5,498	5,498	-	-	(167)	(167)					911	911			52	52			
2009	WECC		PUD NO. 1 OF SNOHOMISH COUNTY	U.S.	323,885	323,885	-	-	282,921	282,921	-	-	(8,565)	(8,565)					46,859	46,859			2,690	2,690			
2009	WECC		PUD NO. 1 OF WAHKAKUM COUNTY	U.S.	2,023	2,023	-	-	1,767	1,767	-	-	(54)	(54)					293	293			17	17			
2009	WECC		PUD NO. 1 OF WHATCOM COUNTY	U.S.	10,154	10,154	-	-	8,869	8,869	-	-	(269)	(269)					1,469	1,469			84	84			
2009	WECC		PUD NO. 2 OF GRANT COUNTY (Avista	U.S.	4,102	4,102	-	-	3,583	3,583	-	-	(109)	(109)					593	593			34	34			
2009	WECC		PUD NO. 2 OF GRANT COUNTY (BPA)	U.S.	2,223	2,223	-	-	1,942	1,942	-	-	(59)	(59)					322	322			18	18			
2009	WECC		PUD NO. 2 OF PACIFIC COUNTY	U.S.	14,190	14,190	-	-	12,396	12,396	-	-	(376)	(376)					2,053	2,053			118	118			
2009	WECC		PUD NO. 3 OF MASON COUNTY	U.S.	31,756	31,756	-	-	27,740	27,740	-	-	(842)	(842)					4,594	4,594			264	264			
2009	WECC		Puget Sound Energy	U.S.	1,154,735	1,154,735	-	-	1,008,688	1,008,688	-	-	(30,609)	(30,609)					167,066	167,066			9,591	9,591			
2009	WECC		RAFT RIVER RURAL ELECTRIC COOPI	U.S.	10,046	10,046	-	-	8,776	8,776	-	-	(266)	(266)					1,453	1,453			83	83			
2009	WECC		RAVALLI COUNTY ELECTRIC COOPER	U.S.	7,147	7,147	-	-	6,243	6,243	-	-	(189)	(189)					1,034	1,034			59	59			
2009	WECC		RBS Sempra Energy Solutions	U.S.	85,465	85,465	-	-	74,656	74,656	-	-	(2,265)	(2,265)					12,365	12,365			710	710			
2009	WECC		RIVERSIDE ELECTRIC COMPANY, LTD	U.S.	910	910	-	-	795	795	-	-	(24)	(24)					132	132			8	8			
2009	WECC		Rocky Mountain Generation Cooperative	U.S.	1,805	1,805	-	-	1,577	1,577	-	-	(48)	(48)					261	261			15	15			
2009	WECC		Roosevelt Irrigation District	U.S.	1,354	1,354	-	-	1,182	1,182	-	-	(36)	(36)					196	196			11	11			
2009	WECC		SALEM ELECTRIC	U.S.	15,251	15,251	-	-	13,322	13,322	-	-	(404)	(404)					2,207	2,207			127	127			
2009	WECC		Salt River Project (SRP)	U.S.	1,271,592	1,271,592	-	-	1,110,765	1,110,765	-	-	(33,707)	(33,707)					183,972	183,972			10,561	10,561			
2009	WECC		San Carlos Indian Irrigation Project	U.S.	6	6	-	-	6	6	-	-	(0)	(0)					1	1			0	0			
2009	WECC		Seattle City Light	U.S.	461,148	461,148	-	-	402,824	402,824	-	-	(12,224)	(12,224)					66,718	66,718			3,830	3,830			
2009	WECC		Sierra Pacific Power Company	U.S.	395,259	395,259	-	-	345,268	345,268	-	-	(10,477)	(10,477)					57,186	57,186			3,283	3,283			
2009	WECC		SMGT / BPA	U.S.	727	727																					

Data Year	Regional Entity	ID	Entity	Country	Total Regional Entity Assessments (Including WIRAB Assessments)				Regional Entity NEL Assessments				Penalty Sanctions - US Only		NPCC CORC US Only Staff		NPCC Audit Based 45% CORC Program			WECC Compliance Assessments (ex.AESO)				WIRAB Assessments			
					Total	US Total	Canada Total	Mexico Total	Total	US Total	Canada Total	Mexico Total	Total	US Total	Total	US Total	Total	US Total	Canada Total	Total	US Total	Canada Total	Mexico Total	Total	US Total	Canada Total	Mexico Total
2009	WECC		U.S. BOR SPOKANE INDIAN DEVELOP	U.S.	156	156	-	-	137	137	-	-	(4)	(4)						23	23			1	1		
2009	WECC		U.S. DOE NATIONAL ENERGY TECHNC	U.S.	176	176	-	-	153	153	-	-	(5)	(5)						25	25			1	1		
2009	WECC		U.S. DOE RICHLAND OPERATIONS OF	U.S.	8,569	8,569	-	-	7,485	7,485	-	-	(227)	(227)					1,240	1,240			71	71			
2009	WECC		U.S.A.F. BASE, FAIRCHILD	U.S.	2,529	2,529	-	-	2,209	2,209	-	-	(67)	(67)						366	366			21	21		
2009	WECC		U.S.N SUBMARINE BASE, BANGOR	U.S.	8,112	8,112	-	-	7,086	7,086	-	-	(215)	(215)					1,174	1,174			67	67			
2009	WECC		U.S.N NAVAL STATION, BREMERTON	U.S.	11,309	11,309	-	-	9,879	9,879	-	-	(300)	(300)					1,636	1,636			94	94			
2009	WECC		U.S.N NAVAL STATION, EVERETT	U.S.	640	640	-	-	559	559	-	-	(17)	(17)						93	93			5	5		
2009	WECC		UMATILLA ELECTRIC COOPERATIVE #	U.S.	43,429	43,429	-	-	37,936	37,936	-	-	(1,151)	(1,151)					6,283	6,283			361	361			
2009	WECC		Unit B Irrigation District	U.S.	1	1	-	-	1	1	-	-	(0)	(0)					0	0			0	0			
2009	WECC		United Electric Cooperative, Inc.	U.S.	10,223	10,223	-	-	8,930	8,930	-	-	(271)	(271)					1,479	1,479			85	85			
2009	WECC		Valley Electric Association	U.S.	20,912	20,912	-	-	18,267	18,267	-	-	(554)	(554)					3,025	3,025			174	174			
2009	WECC		Vera Water and Power	U.S.	10,796	10,796	-	-	9,431	9,431	-	-	(286)	(286)					1,562	1,562			90	90			
2009	WECC		Vigilante Electric Cooperative, Inc.	U.S.	7,453	7,453	-	-	6,511	6,511	-	-	(198)	(198)					1,078	1,078			62	62			
2009	WECC		WASCO Electric Cooperative	U.S.	4,372	4,372	-	-	3,819	3,819	-	-	(116)	(116)					633	633			36	36			
2009	WECC		WALW	U.S.	10,319	10,319	-	-	9,014	9,014	-	-	(274)	(274)					1,493	1,493			86	86			
2009	WECC		Wells REA	U.S.	9,352	9,352	-	-	8,169	8,169	-	-	(248)	(248)					1,353	1,353			78	78			
2009	WECC		Wells Rural Electric Coop	U.S.	29,645	29,645	-	-	25,895	25,895	-	-	(786)	(786)					4,289	4,289			246	246			
2009	WECC		Wellton-Mohawk Irrigation & Drainage Di	U.S.	335	335	-	-	292	292	-	-	(9)	(9)					48	48			3	3			
2009	WECC		West Oregon Electric Cooperative, Inc	U.S.	3,219	3,219	-	-	2,812	2,812	-	-	(85)	(85)					466	466			27	27			
2009	WECC		Western (WAPA-Sierra Nevada Region) #	U.S.	64,156	64,156	-	-	56,041	56,041	-	-	(1,701)	(1,701)					9,282	9,282			533	533			
2009	WECC		Western Area Power	U.S.	8,853	8,853	-	-	7,734	7,734	-	-	(235)	(235)					1,281	1,281			74	74			
2009	WECC		Western Area Power Administration - CR	U.S.	50,844	50,844	-	-	44,414	44,414	-	-	(1,348)	(1,348)					7,356	7,356			422	422			
2009	WECC		Western Area Power Administration - Dei	U.S.	103,550	103,550	-	-	90,453	90,453	-	-	(2,745)	(2,745)					14,381	14,381			860	860			
2009	WECC		Western Area Power Administration - LAF	U.S.	70,600	70,600	-	-	61,670	61,670	-	-	(1,871)	(1,871)					10,214	10,214			586	586			
2009	WECC		Western Area Power Administration	U.S.	22,390	22,390	-	-	19,558	19,558	-	-	(594)	(594)					3,239	3,239			186	186			
2009	WECC		Wyoming Municipal Power Agency	U.S.	9,008	9,008	-	-	7,868	7,868	-	-	(239)	(239)					1,303	1,303			75	75			
2009	WECC		Yampa Valley	U.S.	27,402	27,402	-	-	23,937	23,937	-	-	(726)	(726)					3,965	3,965			228	228			
2009	WECC		Yuma Irrigation District	U.S.	138	138	-	-	121	121	-	-	(4)	(4)					20	20			1	1			
2009	WECC		Yuma-Mesa Irrigation District	U.S.	8	8	-	-	7	7	-	-	(0)	(0)					1	1			0	0			
TOTAL WECC					38,234,892	32,656,488	5,078,278	500,126	33,588,533	28,526,206	4,636,737	425,590	(865,650)	(865,650)					5,192,646	4,724,702	397,455	70,489	319,363	271,230	44,087	4,047	
TOTAL ERO					105,913,224	93,671,567	11,741,531	500,126	100,237,007	88,615,629	11,195,788	425,590	(3,366,550)	(3,366,550)	382,216	382,216	3,148,542	3,044,340	104,202	5,192,646	4,724,702	397,455	70,489	319,363	271,230	44,087	4,047
Summary by Regional Entity																											
2009	FRCC				4,967,060	4,967,060	-	-	5,017,060	5,017,060	-	-	(50,000)	(50,000)					-	-	-	-	-	-	-	-	
2009	MRO				8,260,502	6,852,336	1,408,166	-	8,397,502	6,999,336	1,408,166	-	-	(137,000)	(137,000)					-	-	-	-	-	-	-	
2009	NPCC				12,652,610	7,397,523	5,255,087	-	9,430,352	4,279,467	5,150,885	-	-	(308,500)	(308,500)	382,216	382,216	3,148,542	3,044,340	104,202	-	-	-	-	-	-	
2009	RFC				12,803,844	12,803,844	-	-	13,682,744	13,682,744	-	-	-	(878,900)	(878,900)					-	-	-	-	-	-	-	
2009	SERC				10,671,508	10,671,508	-	-	11,590,508	11,590,508	-	-	-	(919,000)	(919,000)					-	-	-	-	-	-	-	
2009	SPP				9,094,985	9,094,985	-	-	9,282,485	9,282,485	-	-	-	(187,500)	(187,500)					-	-	-	-	-	-	-	
2009	TRE				9,227,823	9,227,823	-	-	9,247,823	9,247,823	-	-	-	(20,000)	(20,000)					-	-	-	-	-	-	-	
2009	WECC				38,234,892	32,656,488	5,078,278	500,126	33,588,533	28,526,206	4,636,737	425,590	(865,650)	(865,650)					5,192,646	4,724,702	397,455	70,489	319,363	271,230	44,087	4,047	
Total					105,913,224	93,671,567	11,741,531	500,126	100,237,007	88,615,629	11,195,788	425,590	(3,366,550)	(3,366,550)	382,216	382,216	3,148,542	3,044,340	104,202	5,192,646	4,724,702	397,455	70,489	319,363	271,230	44,087	4,047

Bulk Power System Critical Infrastructure Strategic Roadmap

Action Required

None

Background

At its May 12, 2010 meeting, the NERC Board of Trustees approved a new charter for the Electricity Sub-Sector Coordinating Council (ESCC), and dissolved the Electricity Sector Steering Group (ESSG). Current ESSG members became the members of the newly re-constituted ESCC.

On June 22, 2010, the ESCC held its first in-person meeting at NERC's Washington DC offices. The meeting was conducted in two parts. The first part of the meeting was in held in closed session and the ESCC engaged in a comprehensive discussion regarding the critical infrastructure risks facing the electricity sub-sector, how they are being addressed, and what may need to be done differently by the sub-sector to improve this important aspect of reliability. The ESCC also discussed how to improve the various interfaces with government related to these matters. The second part of the meeting was conducted in open session and ESCC Chairman Cauley provided a summary of the day's discussions and next steps.

A key decision of the ESCC was to develop a Critical Infrastructure Strategic Roadmap (**Attachment 1**) to identify the sub-sector's priorities, and provide a framework to address severe-impact risks, including those identified in the High Impact, Low Frequency (HILF) report. Taking a broad sub-sector-wide perspective, the Roadmap will provide the NERC Board of Trustees with advice on what should be done to enhance electricity reliability and resilience from an all-threats, all-hazards perspective. The Roadmap will build on the draft Bulk Power System Critical Infrastructure Policy Statement discussed at recent Member Representatives Committee and Board of Trustee meetings, and provide guidance for the sub-sector and NERC's technical committees.

After considering public comments, the ESCC proposes to seek Board of Trustees endorsement of the Strategic Roadmap.

Attachment 1
Agenda Item 10
Board of Trustees Meeting
August 5, 2010

NERC

NORTH AMERICAN ELECTRIC
RELIABILITY CORPORATION

Critical Infrastructure Strategic Roadmap

Electricity Sub-Sector Coordinating Council (ESCC)

to ensure
the reliability of the
bulk power system

August 2010

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Introduction

North America's electric power grids are not immune to severe disruptions that could threaten the health, safety, security, or economic well-being of its citizens. The North American Electric Reliability Corporation (NERC) and the electricity industry are committed to protect the electricity infrastructure and enhance its resilience in an effort to manage risks, whether natural or man-made.

This strategic roadmap, prepared by NERC's Electricity Sub-Sector Coordinating Council¹ (ESCC), provides the framework to identify those risks that have the potential to seriously disrupt the supply of electricity to customers, and promotes the actions necessary to enhance reliability and resilience. Particular attention is paid to severe-impact risks with the potential to impact large portions of the grid, or disrupt service for an extended period of time. Some of these risks have a low probability of occurring, or have not ever occurred. The most challenging are some of those related to physical and cyber security that are relatively new to the sub-sector, are not completely understood even by experts in the field, and continue to evolve.

Fortunately, managing complex risks is not new to the electricity industry. This roadmap builds on century-long experience and takes an integrated approach that builds on the electricity industry's capabilities to plan and operate North America's electricity system — one of the most reliable in the world.

¹ Electricity Sub-Sector Coordinating Council Charter:
http://www.nerc.com/docs/escc/ESCC_Charter_BOT_approved_20100512.pdf

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Executive Summary

The role of NERC's Electricity Sub-Sector Coordinating Council² is to “foster and facilitate the coordination of sector-wide policy-related activities and initiatives to improve the reliability and resilience of the electricity sector, including physical and cyber security infrastructure.”

To help carry out that role, the ESCC has developed this Critical Infrastructure Strategic Roadmap to recommend to NERC's Board of Trustees that NERC's technical committees place renewed emphasis on certain severe-impact risks to electricity system reliability.

In particular, the ESCC has identified three risks that merit increased attention by NERC and the electricity sub-sector. Each of these has the potential to severely impact large portions of the bulk power system, or disrupt electricity service for an extended period of time.

- Coordinated physical attack on significant electricity system equipment
- Organized cyber attack on control systems needed to manage reliability
- Severe geomagnetic disturbance

The ESCC acknowledges that significant effort will be required to properly understand these risks and develop realistic and effective solutions, and has therefore prioritized initiatives that would deliver the greatest benefit to reliability as soon as possible. The ESCC encourages NERC's technical committees to join forces to develop work plans to assess the risks in more detail, consider alternative approaches, and recommend solutions for industry implementation.

The ESCC is committed to enhance our collaboration with government on these matters, and will monitor progress of the technical committees and provide additional guidance as necessary.

² ESCC Charter

Vision and Goals

The electricity sub-sector does not stand alone in facing severe-impact risks. The U.S. and Canadian governments have established programs to work collaboratively with all critical infrastructures to address risks that could have widespread regional, national, or international consequences.

In the spirit of these national initiatives, this roadmap reflects the perspective of the electricity sub-sector as envisioned by the charter of the Electricity Sub-Sector Coordinating Council. It is intended to reflect the interests of all stakeholders, beyond that of NERC in its role as the electricity reliability organization. While this roadmap does not direct standards development, it is anticipated that standards will be developed, where necessary and appropriate, as a result of initiatives undertaken to address severe-impact risks.

In 2007, the NERC Board of Trustees endorsed the Energy Sector-Specific Plan³ that provides the framework for collaboration between government and the energy sector to mitigate risk by reducing vulnerabilities, deterring threats, minimizing adverse consequences, and enhancing recovery. This roadmap aligns with that plan's vision and goals and demonstrates the electricity sub-sector's commitment to support this public-private partnership.

Vision Statement

The Electricity Sub-Sector envisions a robust, resilient electricity infrastructure in which continuity of business and services are maintained through secure and reliable information sharing, effective risk management programs, coordinated response capabilities, and trusted relationships between sub-sector entities and government.

Goals

Information Sharing and Communication

Goal 1: Establish robust situational awareness within the electricity sub-sector and with government through timely, reliable, and secure information exchange.

Physical and Cyber Security

Goal 2: Use sound risk management principles to implement physical and cyber measures that enhance preparedness, security, and resiliency.

Coordination and Planning

Goal 3: Conduct comprehensive emergency, disaster, and business continuity planning, including training and exercises, to enhance reliability and emergency response.

Goal 4: Clearly define critical infrastructure protection roles and responsibilities.

³ Energy Sector Specific Plan 2007 <http://www.dhs.gov/xlibrary/assets/nipp-ssp-energy-redacted.pdf>

Goal 5: Understand key interdependencies and collaborate with other critical infrastructure sectors to address them, and incorporate that knowledge in planning and operations.

Public and Regulatory Confidence

Goal 6: Strengthen public and regulatory confidence in the sub-sector's ability to manage risk and implement effective security, reliability, and recovery efforts.

The Risk Landscape

The challenges to adequately protect the electricity system are many. The electricity infrastructure is spread geographically across the continent, in densely populated urban areas as well as lightly populated rural areas. Generating stations, substations, and the transmission and distribution lines that connect them are a familiar and accessible part of our surroundings. While it is not possible to protect everything with absolute assurance, this roadmap guides the electricity industry toward solutions that manage these risks in a responsible, realistic, and effective manner.

NERC supports an all-hazards, all-threats approach to risk management consistent with industry practices⁴ commonly used across the sub-sector. These threats and hazards can be grouped into three categories; natural, human-caused, and technological. The electricity sub-sector consistently demonstrates the ability to successfully manage many of these risks through effective business continuity planning and reliable operations, even during emergency situations.

However, certain severe-impact risks are more challenging to fully understand and address for a number of reasons, including.

- Little information is available regarding the specific nature of the risk, making it difficult to decide which preventive or mitigating actions are necessary or appropriate.
- The likelihood of occurrence is not known, extremely low, or may never have occurred.
- The costs and resources required to comprehensively address the risk may be enormous.
- The events being prepared for may never occur.
- Risks related to national security are considered to be the responsibility of government.

As a result, there is limited consensus across the sub-sector regarding the extent to which these more severe-impact risks need to be addressed, let alone how they should be addressed. The following table provides the ESCC’s assessment of the risks facing the electricity sub-sector, and highlights those requiring urgent additional attention.

Table 1: Risk Landscape

Risk Area	Plans Typically In-Place	Requires Additional Attention
Naturally Occurring Hazards		
• Geological (e.g. earthquake)	Yes	
• Meteorological		

⁴ Ref. National Fire Protection Association 1600 and Canadian Standards Association Z1600-8, Emergency Management and Business Continuity Programs

Risk Area	Plans Typically In-Place	Requires Additional Attention
○ Severe storm	Yes	
○ Extreme water flows (drought, flood)	Yes	
○ Extreme temperature	Yes	
○ Geomagnetic disturbance (GMD), solar magnetic disturbance (SMD)	Yes	Yes
● Biological disease (e.g. pandemic)	Yes	
Human-Caused (Unintentional) Hazards		
● Hazardous material spill or release	Yes	
● Explosion, fire	Yes	
● Interdependency (e.g. fuel shortage, telecommunications service disruption)	Yes	
● Human operational error	Yes	
Human-caused (Intentional) Hazards:		
● Criminal activity, sabotage	Yes	
● Civil disturbance, riot	Yes	
● Strike or labor dispute	Yes	
● Terrorism	Varies	Yes
● Physical attack	Varies	Yes
● Electro-magnetic pulse (EMP)	No	Limited
● Cyber security breach	Yes	Yes
Technology-Caused Hazards		
● Equipment failure	Yes	
● Information/control systems failure	Yes	
● Telecommunications system failure	Yes	

The Electricity Sub-Sector’s Risk Priorities

The ESCC recommends to the NERC Board of Trustees that the electricity sub-sector place renewed emphasis on managing the severe-impact risks highlighted in Table 1: Risk Landscape. Some of these risks were examined in the High Impact Low Frequency Risk Workshop⁵

⁵ Ref. HILF Report <http://www.nerc.com/page.php?cid=61691327>

sponsored by NERC and the U.S. Department of Energy in November 2009. While each of these risks appears to be unique, they can be grouped into a few discrete scenarios that will facilitate developing solutions that can be more readily applied under a variety of circumstances. Solutions that serve to enhance reliability under normal circumstances would be highly desirable. Solutions that have limited application under very narrow circumstances would be less desirable. The ESCC recognizes that the electricity sub-sector is highly diverse, and not all solutions will be applicable to all entities. As with all risk management decisions, entities will need to balance expected outcomes against costs, recognizing that all costs are ultimately borne by the customer.

Scenario 1: Physical Attack on Significant Electricity System Equipment

A coordinated physical attack on key nodes of the electricity system critically disables difficult to replace equipment in generating stations or substations and could have a significant affect on the remainder of the system. Full restoration and normal operation of the system after the attack is prolonged.

Scenario 2: Organized Cyber Attack

An organized disruption disables control systems, or intruders take operational control of portions of the bulk power system such that generation or transmission equipment is damaged or mis-operated. The “Aurora” vulnerability, identified by NERC in 2007, is an example of the potential for this scenario.

Scenario 3: Geomagnetic Disturbance

A severe geomagnetic disturbance (GMD) damages difficult to replace generating station and substation equipment, and could have a significant affect on the remainder of the system. Full restoration and a return to normal operation of the bulk power system are prolonged. While not explicitly part of this scenario, an electro-magnetic pulse (EMP) attack has similar impacts on equipment that GMD solutions may help mitigate.

Multi-Element Approach

The ESCC recommends that the full spectrum of risk management elements be considered to address these severe-impact risks; planning, prevention, mitigation, and recovery.

Planning Elements

Clarify Roles and Authorities	Establish clear responsibilities and authorities for planning and responding to an emergency or crisis, across the sub-sector, with other sectors, and with government.
Assess Risks	Establish robust situational awareness across the electricity sub-sector through timely, reliable, and secure information exchange. Assess available intelligence from government regarding threats and provide actionable information to sub-sector entities to improve protection and preparedness.
Conduct Technical Studies	Use sound risk management principles to conduct technical studies, evaluate risks and potential impacts, and identify possible improvements.

Prioritize Assets	Prioritize assets most important to reliability and take actions to protect them. Priorities should be developed in consultation with other stakeholders to consider the potential impacts on customers, other critical infrastructures, and government and national security infrastructure.
Identify Interdependencies	Understand key interdependencies with other critical infrastructures and collaborate with other sectors to address them, and incorporate that knowledge in planning and operations.
Evaluate and Test	Develop testing programs to probe vulnerabilities and identify opportunities to improve protection measures and evaluate preparedness.
Develop and Promote Guidelines	Develop and promote guidelines to inform sub-sector entities and prompt protection and recovery solutions.
Communicate	Strengthen public confidence in the electricity sub-sector's ability to manage risk by communicating how the sub-sector is prepared.
Funding Needs	Consider options for funding and cost recovery for critical infrastructure protection, particularly when objectives exceed assuring the reliability of the electricity system itself.

Prevention Elements

Detect and Prevent	Develop appropriate monitoring controls and protections to deter or prevent severe-impact risks. Employ defense-in-depth strategies. Work with infrastructure vendors and suppliers to enhance protections and recoverability.
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Mitigation Elements

Improve Resilience	Strengthen the inherent redundancy, flexibility, and capacity of the bulk power system to reduce the likelihood of unmitigated impacts on the system. Limit the adverse impact and preserve the reliability of the remainder of the system. Enhance, to the extent practical, the survivability of national security and critical infrastructures.
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Recovery Elements

Readiness	Develop and implement plans to maintain a state of readiness to respond to and manage events or crises that might adversely affect reliability.
Respond	Enhance entity and coordinated bulk power system-wide response. Response must include the capability to communicate quickly and effectively with affected stakeholders.

Restore the System Ensure plans are in place, exercised, and ready to be implemented to restore the system to reliable operation in the wake of a severe event. Ensure human and material resources are available, with particular attention on equipment that may not be readily available. In accordance with pre-established plans, restoration should recognize priorities with respect to customers, other critical infrastructures, and government and national security infrastructure

Multi-Year Roadmap

The ESCC recommends to the NERC Board of Trustees that NERC and its technical committees develop work plans to address these risk scenarios by more fully assessing the nature of the risks, considering alternative approaches, and recommending solutions for industry implementation. Given the breadth and complexity of these scenarios, the ESCC recommends that the technical committees join forces to make optimal use of their capabilities. The ESCC anticipates that significant resources will need to be brought to bear on some of these initiatives, and encourages the committees to prioritize this work accordingly, including assessing the relative urgency of other work currently underway.

Recognizing that it is not reasonable or effective for the sub-sector to attempt to take on all this work at the same time, the ESCC proposes a staged approach. Initiatives that will more directly enhance reliability and resilience are considered “high priority” and need to be addressed immediately. Others that yield benefits in the longer term are considered “important”. Progress will be monitored and reviewed periodically by the ESCC to provide further recommendations to the NERC Board of Trustees and guidance to the sub-sector.

Table 2: “Urgent” and “Important” Characteristics

Relative Importance	Characteristics
High Priority	<ul style="list-style-type: none"> • Risk has low likelihood, yet high consequence • Requires immediate action to reduce the risk • Action achievable within available resources • Action is largely within the control of sub-sector entities • Action enhances reliability during normal operations
Important	<ul style="list-style-type: none"> • Risk has unknown likelihood, yet high consequence • Requires immediate action to identify options and resources required to reduce the risk • Action may not be achievable within existing resources • Requires substantial coordination with other critical infrastructure sectors or government • Action has limited opportunity to enhance reliability during normal operations

The following table describes the relative priority associated with each of the three severe-impact scenarios identified earlier.

Table 3: Strategic Priorities

Goal	Scenario 1: Coordinated Physical Attack	Scenario 2: Organized Cyber Attack	Scenario 3: Geomagnetic Disturbance	Enhances reliability under less severe scenarios?
1. Establish robust situational assessment coordination and information exchange	High Priority	High Priority	High Priority	Yes
2. Implement protective measures	Important	High Priority	Important	Limited
3. Enhance contingency planning, training, and exercises	High Priority	High Priority	Important	Yes
4. Clarify critical infrastructure protection roles with government	High Priority	High Priority	High Priority	Limited
5. Address key interdependencies with other sectors	Important	Important	Important	Yes
6. Strengthen public confidence	High Priority	High Priority	Important	Yes

Monitor Progress

The ESCC considers the need to quickly demonstrate progress to address severe-impact risks to be a top priority for NERC and its stakeholders. Through its monthly conference calls and in-person meetings, the ESCC will monitor progress and provide additional guidance as necessary.

Mandatory Data Collection of Interconnection Reliability Operating Limit/ System Operating Limit (IROL/SOL) Exceedance

Action Required

Approve mandatory data collection of Interconnection Reliability Operating Limit/System Operating Limit (IROL/SOL) Exceedance under NERC's *Rules of Procedure: Section 1600 - Requests for Data and Information*.

Background

At their September 16, 2009 meetings, the Planning and Operating Committees (PC/OC) approved nine metrics. One of these metrics entitled "ALR3-5, *Operating Limit (OL) Excursion*," required additional data.¹ This metric is intended to provide a trend on the frequency and duration of the system operating limit excursions.

An initial voluntary data collection pilot was tested for the months April to December 2009. The results from this voluntary pilot drove increased specificity of operating limits, changing the collection items to IROL/SOL accommodating regional differences.

Following NERC's *Rules of Procedure for Section 1600 - Requests for Data and Information*,² on March 5, 2010, the Reliability Metrics Working Group (RMWG) posted a data request for industry comment, entitled "ALR3-5 IROL/SOL Excursion" with a due date of April 19, 2010. The RMWG responded on June 1, 2010³ to the eight sets of remarks generated from this posting for public comment. Several remarks suggested changing the term "Excursion" to the term "Exceedance," which was accepted by the RMWG. The changed metric description, entitled "ALR3-5 IROL/SOL Exceedance" was approved by the PC/OC in June 2010.

The PC/OC requests the Board of Trustees approve this data request as part of NERC's *Rules of Procedure: Section 1600 Requests for Data and Information*. When approved by the Board, the data request will become mandatory for all Reliability Coordinators (RCs) starting in January 2011, with the first data submittal due to NERC on April 30, 2011.

¹ The detail on ALR3-5 Operating Limit (OL) Excursion is found in 2009 "Bulk Power System Reliability Performance Metric Recommendations Report," http://www.nerc.com/docs/pc/rmwg/RMWG_Metric_Report-09-08-09.pdf

² http://www.nerc.com/files/NERC_Rules_of_Procedure_EFFECTIVE_20100610.pdf

³ ALR3-5 Response and Comments http://www.nerc.com/docs/pc/rmwg/ALR3-5_Data_Request_Comments_and_Responses6.1.pdf

NERC

NORTH AMERICAN ELECTRIC
RELIABILITY CORPORATION

Adequate Level of Reliability Metric 3-5:

Interconnection Reliability Operating Limits and
System Operating Limits

Final Report and Data Request

to ensure
the reliability of the
bulk power system

August 2010



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Introduction

With Planning and Operating Committees (PC/OC) support, the Reliability Metrics Working Group (RMWG) received approval to collect data and calculate nine metrics in 2009.¹ Data for seven of these metrics is available through information routinely reported to NERC as part of complying with existing standards and mandatory data requests. However, to obtain the data needed to calculate the Adequate Level of Reliability (ALR) metric, entitled *ALR3-5 Interconnection Reliability Operating Limits and System Operating Limits (IROL²/SOL)*, a mandatory data request is required, which is the subject of this document.

In adherence to NERC's *Rules of Procedure: Section 1600 Requests for Data and Information*,³ the Reliability Metrics Working Group (RMWG) completed the following activities:⁴

1. Issued a data request for industry comment on March 5, 2010, entitled "*ALR3-5 IROL/SOL Excursion*" with a due date of April 19, 2010.⁵
2. Responded to eight sets of comments on June 1, 2010.⁶ Several respondents suggested changing the metric title from "Excursion" to "Exceedance." This proposal was adopted and the enhanced metric was approved by the PC/OC at the June 2010 meetings.
3. Developed a detailed description of the revised metric, *ALR3-5 IROL/SOL Exceedance*.⁷
4. Created a template for this data request is available on NERC's website.⁸

The requirements for reporting *ALR3-5 IROL/SOL Exceedances* includes the following elements:

- Reporting Reliability Coordinator
- Reporting Quarter
- Reporting Year
- The total number of exceeded IROLs and SOLs for each of the following time periods:
 - Greater than 10 seconds and less than or equal to 10 minutes
 - Greater than 10 minutes and less than or equal to 20 minutes
 - Greater than 20 minutes and less than or equal to 30 minutes
 - Greater than 30 minutes

With NERC's Board of Trustees approval of this data request, as described in the *Rules of Procedure: Section 1600 Requests for Data and Information*, submittal of this data will become mandatory for all Reliability Coordinators (RCs) starting in January 2011, with provision of the data for the first quarter of 2011 due to NERC on April 30, 2011.

¹ 2009 RMWG report entitled "*Bulk Power System Reliability Performance Metric Recommendations*,"

http://www.nerc.com/docs/pc/rmwg/RMWG_Metric_Report-09-08-09.pdf

² In accordance with the definition in the NERC's Glossary of Terms, an Interconnection Reliability Operating Limit is defined as "A *System Operating Limit* that, if violated, could lead to instability, uncontrolled separation, or Cascading Outages that adversely impact the reliability of the Bulk Electric System."

³ See <http://www.nerc.com/page.php?cid=1%7C8%7C169>

⁴ See RMWG Scope at: http://www.nerc.com/docs/pc/rmwg/Reliability_Metrics_Working_Group_Scope_Final.pdf

⁵ See cover letter: http://www.nerc.com/docs/pc/rmwg/ALR3-5_Data_Request_Comments_and_Responses6.1.pdf

⁶ See Appendix I: http://www.nerc.com/docs/pc/rmwg/ALR3-5_Data_Request_Comments_and_Responses6.1.pdf

⁷ http://www.nerc.com/docs/pc/rmwg/ALR3-5_Form.pdf

⁸ ALR3-5 Reporting Template: [http://www.nerc.com/docs/pc/rmwg/ALR3-5_Template\(7.9\).pdf](http://www.nerc.com/docs/pc/rmwg/ALR3-5_Template(7.9).pdf)

ALR 3-5: Data Request Information

This section describes the data or information being requested, the use of the data or information, and the necessity of the data or information for NERC to meet its obligations under applicable laws and agreements. *ALR3-5 IROL/SOL Exceedance* will be reviewed by NERC and the OC/PC five years after implementation to determine its usefulness in the assessment of bulk power system risk as part of the ALR definition filed with the Federal Energy Regulatory Commission (FERC).⁹ If the metric does not provide suitable information balanced against the effort expended to collection this data, the requirement to record the data supporting will be rescinded, unless such data is being used to support other metrics.

Description of Data Request

In the U.S., the data needed to fulfill this request was previously identified in an August 17, 2007 data request issued to comply with FERC Order No. 693, *Requirements Interconnection Reliability Operating Limits*.¹⁰ As this FERC Order only pertains only to U.S.-based Reliability Coordinators, those based in Canada may need to develop enhanced reporting mechanisms to support data collection. In addition, to pilot the collection process, voluntary data submittal has been encouraged beginning January 1, 2010 and ending December 31, 2010.

This mandatory request for data is scheduled to be provided on a quarterly basis beginning on January 1, 2011. The NERC spreadsheet template, provided on-line is being used to submit this voluntary information.¹¹

Each quarter, Reliability Coordinators that experience IROL/SOL¹² excursion events should provide the number of IROL/SOL exceedances, categorized in the following time frames:

- Greater than 10 seconds, and less than or equal to 10 minutes
- Greater than 10 minutes, and less than or equal to 20 minutes
- Greater than 20 minutes, and less than or equal to 30 minutes
- Greater than 30 minutes

⁹ See NERC's document, entitled, "*Definition of Adequate Level of Reliability*," posted at <http://www.nerc.com/docs/pc/Definition-of-ALR-approved-at-Dec-07-OC-PC-mtgs.pdf>

¹⁰ The official data request issued by NERC to comply with FERC order No. 693 is available at <http://www.nerc.com/files/PublicFinalFiled-IROL-Data-Request-10312008.pdf>. While Reliability Coordinators are not being asked to provide NERC with the additional detailed data described in the FERC August 17, 2007 data request, they are encouraged to collect and retain this data to facilitate their own analysis of the metric results.

¹¹ ALR3-5 *IROL/SOL Excursion Reporting Template* [http://www.nerc.com/docs/pc/rmwg/ALR3-5_Template\(7.9\).pdf](http://www.nerc.com/docs/pc/rmwg/ALR3-5_Template(7.9).pdf).

¹² Both terms IROL and SOL are used in this data request to recognize that, while the IROL is used in the Eastern, TRE and Québec Interconnections, there are no pre-identified IROLs in the Western Interconnection. Through this data request, the RCs in the Eastern and Québec Interconnections are required to submit quarterly IROL excursion data only; and the RCs in the Western Interconnection are required to submit quarterly SOL excursion data; and the RC in ERCOT Interconnection is required to submit the IROL and SOL excursion data until its IROL method is changed.

The individual data submissions should be sent to NERC at metrics@nerc.net by the end of the month following each calendar quarter (due dates annually being April 30, July 31, October 30, and January 31). The first mandatory data collection will be due April 30, 2011. Reliability Coordinators will be required to use a NERC secure web interface to upload the data.

Use of Data and ALR 3-5 Metrics

The data collected will be used to calculate the ALR3-5 *IROL/SOL Exceedance* metrics. The intent is to track the number of IROL/SOL exceedances and grouped according to the aforementioned time frames. Over a period of time, this data will identify trends measuring an aspect of the operational reliability of bulk power system. For example, the data results may identify opportunities to enhance Reliability Coordinators operating practices or clarify IROL/SOL related reliability standards to eliminate multiple interpretations that may exist.

The RMWG will document ALR 3-5 along with a portfolio of metrics in its annual reports, which, after approval by NERC's Planning and Operating Committee, are posted on NERC's website. Further, quarterly trend updates will be posted on the NERC website.

Obligations Under Applicable Laws and Agreements

As required by NERC's IRO-009-1 Standard, Reliability Coordinators ensure prompt action to prevent or mitigate instances of exceeding IROL/SOLs that might cause instability, uncontrolled separation, or cascading outages. This data will enable NERC to measure the frequency and duration of exceeded IROL/SOLs. To minimize the data collection effort, NERC is not requesting detailed data for each IROL/SOL excursion. Over time, as trends become evident, NERC, Regional Entities, the Operating or Planning Committees may undertake initiatives to commence detailed analysis and root causes.

IROL and SOL are used in this data request to recognize that, while the IROL is used in the Eastern, Texas Reliability Entity (TRE) and Québec Interconnections, there are no IROLs pre-identified in the Western Interconnection due to its higher operating performance level requirements. The WECC Standard *TOP-007-WECC-1 – System Operating Limits has requirements for reducing actual flows within System Operating Limits (SOL) on Major WECC Transfer Paths*.¹³ These major paths are significant components for reliable delivery of power in the Western Interconnection. Further, TRE uses both SOLs and IROLs and is in the process of revising its SOL method, which may result in the TRE Interconnection no longer using IROL.

Because of operating differences, comparisons of Interconnections with this metric will not be meaningful. However, the data will be useful in identifying trends over time on an Interconnection basis.

¹³ WECC Standard TOP-007-WECC-1 – *System Operating Limits* is available at <http://www.wecc.biz/Standards/Pending%20Standards/TOP-007-WECC-1.pdf>.



Data Collection and Validation

As mentioned in the previous section, the individual data submissions will be sent to the NERC at metrics@nerc.net by the end of the month following each calendar quarter beginning January 2011. Submitted data will be subjected to specific rules embedded within the reporting form to validate data entry. Data will be subject to a thorough NERC staff review and results will be vetted by the RMWG and Planning Committee.

Reporting Entities

All NERC Reliability Coordinators will be required to provide the data.

Deliverables

Reliability Coordinators are to report the requested data by the end of the month after the close of the calendar quarter for IROL/SOL events occurring during the previous quarter, beginning April 30, 2011.

Confidentiality

All data collected will be aggregated at the Interconnection level only. The data will be annotated to describe the different IROL/SOL definitions in each Interconnection. Because no details describing each IROL/SOL excursion are being reported, this data is not considered Confidential Energy Infrastructure Information (CEII) and can be reported to the public.

Relative Burden Imposed

For Reliability Coordinators in the United States, costs to develop the necessary reporting processes is expected to be less than the cost incurred to meet the August 17, 2007 official data request to fulfill FERC's *Order No. 693 Requirements Interconnection Reliability Operating Limits*, as much less detail is being requested. Canadian Reliability Coordinators may need to develop enhanced or new reporting processes to provide the requested data. The underlying data should be available in existing operating logs.

Minimal ongoing cost is expected for Reliability Coordinators to collect, compile, and report to NERC the requested data. Some Reliability Coordinators may need to modify their monitoring systems, or develop applications to track IROL/SOL excursions as specified. Further, Reliability Coordinators may need to train their personnel and provide resources to validate potential IROL/SOLs



Data Request Schedule

Below provides a schedule for the *ALR3-5 IROL/SOL Exceedance* data collection process.

Date	Action
September 9, 2009	PC/OC approved 2009 report
January 1, 2010 to December 31, 2010	Request for voluntary data submission
February 12, 2010	Data request submitted to FERC
March 5, 2010	Data Request posted for Public Comment
April 19, 2010	Deadline for Public Comments
June 15, 2010	PC/OC approved comments and responses
August 4-5, 2010	Request approval of mandatory data collection from NERC's Board of Trustees
January 1, 2011	Reliability Coordinators begin collecting IROL/SOL Exceedance data
April 30, 2011	Due date for first quarter of mandatory data submission
July 31, 2011	Due date for second quarter of mandatory data submission
October 31, 2011	Due date for third quarter of mandatory data submission
January 31, 2012	Due date for fourth quarter of mandatory data submission

Due dates for the subsequent quarters will follow the calendar outlined above.

Status Report on Regional Delegation Agreements Metrics

Action Required

Discussion

Information

The recently renegotiated Regional Delegation Agreements, which are pending approval at FERC, require NERC and the Regional Entities to develop a set of goals, metrics, measures, other parameters and reports to measure the performance of NERC and the Regional Entities in carrying out their respective functions and related activities under these agreements. In furtherance of this requirement, NERC and the Regional Entities have been working to develop a meaningful set of goals, metrics, measures, other parameters and reports. Examples of the metrics recommended to date include: efficiency, transparency, consistency, and effectiveness/quality. For each of these metrics NERC and the Regional Entities have developed preliminary performance measures of the delegated functions covered by the Regional Delegation Agreements: finance and accounting, events analysis, training, reliability assessment, compliance, and standards.

More recently, NERC has been evaluating the benefits of also incorporating a performance management approach called the “Balanced Scorecard Management System” (BSC)¹ that is designed to help corporate alliances achieve success. Given the nature of the relationship between NERC and the Regional Entities and their common reliability objectives in the context of the overall ERO enterprise model, NERC believes that the BSC method may provide a useful framework to develop, track, and manage the goals, metrics, measures, other parameters and reports governing performance of NERC and the Regional Entities under the Regional Delegation Agreements.

The first step of the BSC method is to identify the *strategic objectives* of the alliance, or in our case the ERO enterprise, and then to sort these objectives into several *strategic themes*. Adapting the example given in the Harvard Business Review article to NERC, these themes could be:

- Living the ERO Enterprise (core values)
- Collaboration
- Timely Delivery of Quality Results
- Learning/Growth
- Value Delivered

¹ See summary of article from Harvard Business Review: <http://hbr.org/2010/01/managing-alliances-with-the-balanced-scorecard/ar/1>.

The *strategic objectives* grouped under the several *strategic themes* are then used to develop an *alliance strategy map* that shows how the objectives that are embedded in the various themes would collectively deliver value. The map can be further broken down into three areas or *perspectives* that show how the objectives for the *organizations and employees*, when executed properly, feed into the objectives for *business processes*, which in turn deliver *stakeholder value*. Finally, “scorecards” can be developed for each of the five *strategic themes* that show for each of their embedded *strategic objectives* what success looks like (*joint wins*), the *metrics* used to measure success, and what *initiatives* are being undertaken to achieve that success.

Taking this from the abstract stage to a real example will help explain the approach. Under the *strategic theme* of “Value Delivered” NERC and the Regional Entities have several common *strategic objectives* one of which is, “Learning, adapting industry.” Mapping this *strategic theme* and its associated *strategic objectives* under the *perspective* of “Stakeholder Value”, the “scorecard” for this objective might then look something like the following:

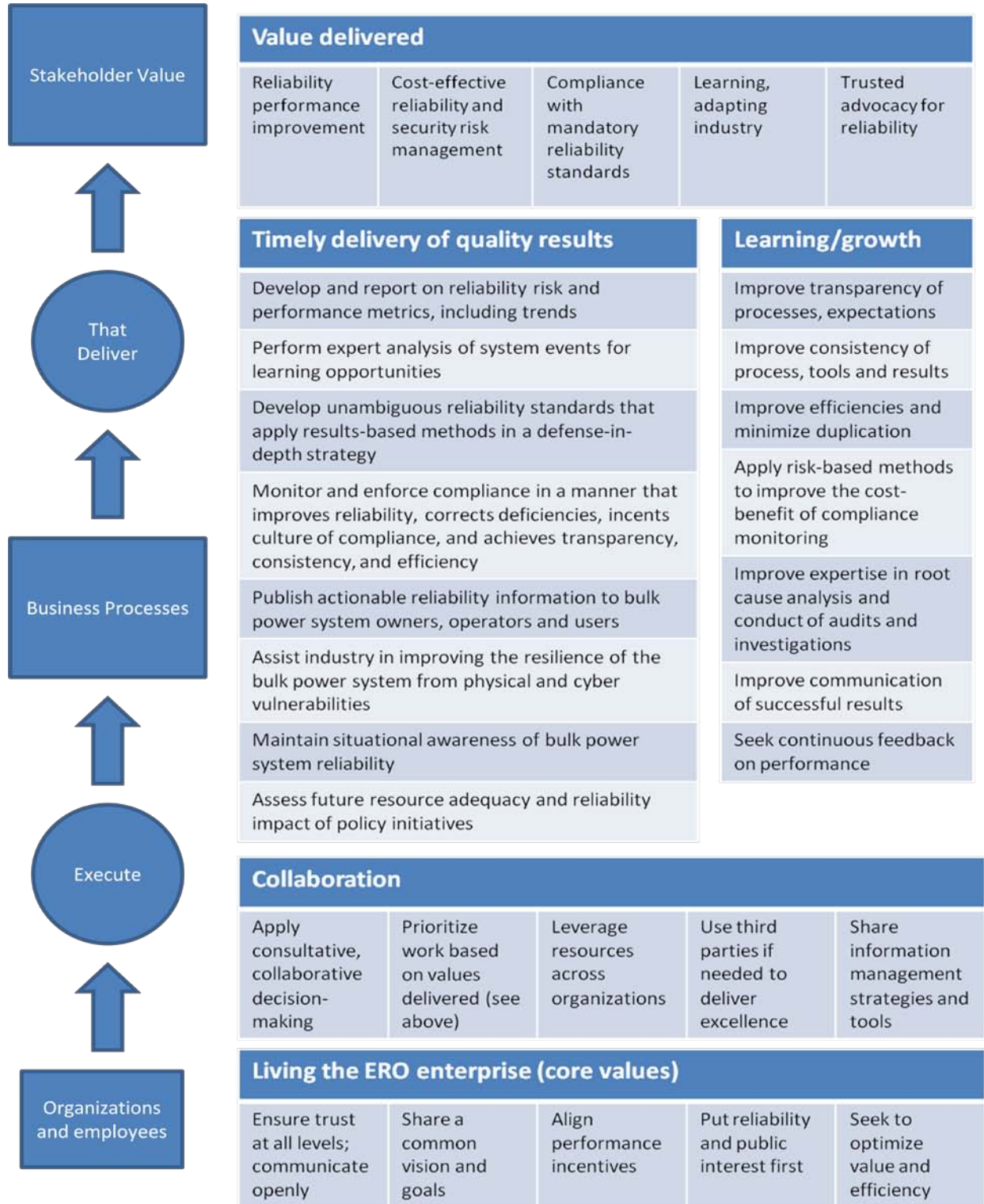
Value Delivered OBJECTIVES			
Objective 1: Learning, adapting industry.	Objective 2	Objective 3	Objective 4
Joint Wins			
Timely mitigation of violations.			
Metrics			
Cumulative violations corrected.			
Time to close identified reliability gap.			
Initiatives			
(What NERC and the REs are doing to meet this objective.)			

While the BSC management system takes a somewhat different approach than what was initially envisioned with respect to development of Regional Delegation Agreement metrics, it is expected that much of the work that has been done to date can be incorporated into the BSC framework.

Over the next several months, NERC will be working with Regional Entity senior management to more fully explore and develop this approach, with the goal of bringing a recommended set of goals, metrics, measure, other parameters and reports incorporating the BSC approach to the Finance and Audit Committee for review at its October 2010 meeting and approval by the Board of Trustees at its November 2010 meeting.

Sample Strategy Map for Balanced Scorecard Method

[Conceptual Only]



NERC

NORTH AMERICAN ELECTRIC
RELIABILITY CORPORATION

Agenda Item 13
Board of Trustees Meeting
August 5, 2010

Government Relations Update

Janet Sena

Director of Government Relations

August 5, 2010

to ensure
the reliability of the
bulk power system

- Cybersecurity Legislation
- Summer Session Energy Related Drivers
 - Energy only bill
 - Climate
 - RPS
 - Oil drilling
 - House versus Senate version
- Transmission Planning

- Over 30 bills introduced
- Comprehensive approach versus Single Sector approach
- Turf battle over agencies/committees of jurisdiction
 - DHS
 - DOD
 - Commerce
 - DOE/FERC

Senate Action on Cyber

- S. 3480 The Protecting Cyberspace as a National Asset Act of 2010
 - Sponsored by Sens. Lieberman Collins and Carper
 - Status: The bill was introduced on June 10, and was reported from committee with amendment on June 24, 2010

- S. 3538 The National Cyber Infrastructure Protection Act of 2010
 - Sponsored by Sen. Bond and Sen. Hatch
 - Status: The bill was introduced on June 24

- S. 773 The Cybersecurity Act of 2009
 - Sponsored by Sen. Rockefeller
 - Status: Reported out of Commerce Committee April 1, 2010

House Action on Cyber

- HR 5026, the GRID Act
- Sponsored by Reps. Markey, Waxman Barton and Upton
- Status: Passed the U.S. House of Representatives June 10, 2010
- DOD Appropriation Rider (Watson/Langevin amendment)
- House Homeland Security Committee introduced companion bill to Senate Homeland Security bill

- U.S. HOUSE OF REPRESENTATIVES
 - H.R. 2454 American Clean Energy and Security Act of 2009
 - Sponsored by Rep. Waxman and Rep. Markey
 - Status: Passed by the House of Representatives on June 26, 2009
 - Climate; Energy, RES, Transmission Planning

- U.S. Senate
 - S. 1462 American Clean Energy Leadership Act
 - Sponsored by Sen. Bingaman
 - Status: Passed the Senate Energy Committee in July of 2009
 - Energy, RES, Transmission Planning, Cybersecurity
 - Separate Climate bills

- HR 2454
 - FERC adopt National Transmission Planning Principles; Encourage regional planning entities cooperation and coordination
 - Western Interconnection siting provisions only, with FERC backstop authority; existing backstop siting remains for Eastern Interconnection
 - No cost allocation provisions
- S. 1462
 - Policy goals for transmission; FERC coordinates development of high priority national transmission projects; Regional plans to FERC
 - Siting by states for high priority national transmission projects; FERC may site after one year if no action
 - Cost allocation: “reasonably proportionate to measurable economic and reliability benefits”
- FERC NOPR

Committee, Group and Forum Reports

Action

None

Information

One of NERC's 2010 Corporate Goals is to "review and update technical committee structure to align with ERO functions and optimize use of industry expert resources."¹

NERC technical committees typically provide in the board agenda background a link to their respective web pages containing the latest sets of committee agendas and minutes, and the respective committee chairs give oral reports of their committee activities to the board. Beginning with the May 2010 board agenda, the Planning and Operating Committees began including in the board agenda background summaries of their key activities, including those of their associated subcommittees, in support of the NERC corporate goals and committee missions (see below) as reflected in their charters. The Critical Infrastructure Protection Committee will begin providing this same information starting with this agenda.

The committee activities highlighted in the reports included with this board agenda indicate that the technical focus of the committees, both in response to directions from the board as well as self-initiated activities, is in good alignment with the strategic priorities of the board and the NERC Corporate Goals. For example:

- All three committees, working together, are developing a work plan to address the 19 *Proposals for Action* identified in the HILF report. [Corporate Goal 5.a]
- The Planning and Operating Committees, through the Event Analysis Working Group, and in conjunction with Regional Entities and NERC staff, are working to develop improved processes and procedures for analyzing and investigating events on the bulk power system to identify lessons learned that will lead to improvements in reliability. [Corporate Goal 1.a]
- The Planning and Operating Committees provide input and support to the Reliability Assessment and Performance Analysis program, including long-term, seasonal, and special reliability assessments and reliability metrics. [Corporate Goals 1.b and 1.c]
- The Critical Infrastructure Protection Committee continues to work with DHS and DOE in an ongoing effort to encourage the federal government to convert classified information into unclassified information that can be more broadly shared within the industry. In addition, by converting certain information to an unclassified status, it can then be shared in a much more timely manner thereby providing utilities with important information that can be acted upon. [Corporate Goal 5.b]

¹ The primary focus of this NERC Corporate Goal is on the Planning, Operating and Critical Infrastructure Protection Committees.

[Planning Committee](#)

“The Planning Committee proactively supports the NERC mission and the several NERC program areas by carrying out a broad array of functions and responsibilities focused on the reliable planning and assessment of interconnected bulk power systems.”

[Operating Committee](#)

The Operating Committee’s mission is to provide the ERO (stakeholders, Board of Trustees, and staff) with the collective and diverse opinions from the experts in interconnected systems operation to help the industry arrive at informed decisions.

[Critical Infrastructure Protection Committee](#)

The mission of the Critical Infrastructure Protection Committee (CIPC) is to advance the physical and cyber security of the critical electricity infrastructure of North America.

Critical Infrastructure Protection Committee Report

Action Required

None

Background

This report provides a summary of the key activities of the Critical Infrastructure Protection Committee (CIPCC) and its associated subgroups in support of the NERC mission and goals and the CIPC charter. The most recent CIPC meeting minutes are posted at:

http://www.nerc.com/docs/cip/CIPC_draft_mins_Jun10.pdf.

Summary Report on the November 2009 High-Impact, Low-Frequency Event Risk Workshop. The CIPC, Operating Committee (OC) and Planning Committee (PC) officers and NERC staff are developing a work plan to address the 19 Proposals for Action identified in the HILF report. See Member Representatives Committee Agenda Item 6.c (August 4, 2010) which describes the status of this effort.

Classified Briefing for CIPC and Other Industry Participants. The CIPC is currently working with DHS and DOE to have a classified briefing in conjunction with its December CIPC meeting in Tampa, FL. Last year DHS and DOE provided a classified briefing in Atlanta in conjunction with our CIPC meeting and it was well received. It also eliminates the need for attendees needing to schedule separate travel to Washington, DC, where most briefings are held. The efforts of DHS and DOE in this area are very much appreciated.

Need for Unclassified Information from Federal Government. The CIPC continues to work with DHS and DOE in an ongoing effort to encourage the federal government to convert classified information into unclassified information that can be more broadly shared within the industry. In addition, by converting certain information to an unclassified status, it can then be shared in a more timely manner, thereby providing utilities with important information that can be quickly acted upon.

CIPC Subgroup Highlights

The CIPC has 5 subgroups and highlights of their work assignments are shown below.

1. Business Continuity Guideline Task Force (BCGTF). The BCGTF was recently assigned the task of updating and combining three CIPC business continuity-related guidelines into one electricity sector-specific guideline for industry use.
2. Control Systems Security Working Group (CSSWG). The CSSWG was recently assigned the task of updating and combining nine CIPC control system-related guidelines into one electricity sector-specific guideline for industry use. The CSSWG anticipates possible future assignments for the development of new guidelines and other reference materials related to the CIP standards that are currently being revised.
3. Protecting Sensitive Information Guideline Task Force (PSIGTF). The PSIGTF was recently assigned the task of updating the CIPC Protecting Sensitive Information Guideline to take into consideration recent developments and to make it more electricity sector-specific.

4. Risk Assessment Working Group (RAWG). The RAWG recently completed the development of the Critical Cyber Asset Identification Guideline which was approved by the full CIPC at the June CIPC meeting. This guideline has been sent to the NERC Standards Committee (SC) to be approved for posting as a supporting guideline for CIP-002. Previously, the RAWG completed the Critical Asset Identification Guideline which was approved by the full CIPC and also by the NERC SC for posting as a supporting guideline for CIP-002. CIPC is currently evaluating whether to retire the RAWG or to assign new work to the group.
5. Substation Guideline Task Force (SGTF). The SGTF was recently assigned the task of updating the Physical Security Substation Guideline to take into consideration recent developments and to make it more electricity sector-specific.
6. Future working groups or task forces will be created as needed to address other guidelines that need to be updated, to complete work related to the HILF report and to provide support to new or ongoing standards development work as requested by the NERC SC.

Operating Committee Report

Action Required

None

Background

This report provides a summary of the key activities of the Operating Committee (OC) and its associated subgroups in support of the NERC mission and goals and the OC charter. The most recent OC meeting minutes are posted at:

<http://www.nerc.com/docs/docs/oc/OC%20Minutes%20-15-16Jun10.pdf>.

High-Impact, Low-Frequency (HILF) Risk Report. The OC, Planning Committee (PC), and Critical Infrastructure Protection Committee (CIPC) officers and NERC staff are developing a work plan to address the 19 proposals for action identified in the report. See Member Representatives Committee Agenda Item 6c (August 4, 2010) which describes the status of this effort.

Event Analysis and Investigation Processes. The OC and PC, through the Event Analysis Working Group (EAWG), as well as the Regional Entities' and NERC Operations and Engineering staffs, are working to develop consensus processes and procedures for analyzing and investigating events on the bulk power system in order to identify lessons learned that will lead to improvements in reliability. This effort is being facilitated by Dave Nevius, Senior Vice President, NERC. The work plan is targeting the end of September 2010 for finalizing a consensus on draft processes and procedures documents, which will then be posted.

OC Subgroup Highlights

The OC has 15 subgroups, four of which jointly report to the PC and OC.

Joint OC/PC Subgroup Highlights

1. Event Analysis Working Group. The EAWG developed a draft *NERC Event Categories and Levels of Analysis* document for comment. The document proposes five event categories and includes a proposed level of analysis for each category.
2. Reliability Metrics Working Group (RMWG). The OC approved the RMWG's *2010 Annual Report on Bulk Power System Reliability Metrics* as well as an initial Section 1600 data request for the metric, ALR3-5 IROL/SOL Excursion. The RMWG also requested feedback on the draft *Integrated Bulk Power Risk Assessment Concepts* white paper and the nine 2010 Reliability Metric Proposals contained in Section 6 of the 2010 Annual Report.
3. Integration of Variable Generation Task Force (IVGTF). The OC approved the *Variable Generation Power Forecasting for Operations* report. The report addresses wind forecasting models.
4. Reliability Fundamentals Working Group (RFGW). The OC temporarily suspended the activities of the RFGW until the March 2011 meeting, when its status will be re-evaluated. The RFGW is charged with oversight of the *Reliability Concepts Document*.

The RFWG developed a framework document for the addition of subsequent technical chapters; however, the interest in the group's work has dwindled due to other issues that demand its members' attention.

Other OC Subgroup Highlights

1. Real-time Application of PMUs to Improve Reliability Task Force. The task force requested comment on its draft *Real-Time Application of Synchrophasors for Improving Reliability* report.
2. Interchange Subcommittee. The OC approved the *Dynamic Transfer Reference Guidelines*.
3. Resources Subcommittee. The OC approved the *Performance Standards Reference Guidelines*.

Planning Committee Report

Action Required

None

Background

This report provides a summary of the key activities of the Planning Committee (PC) and its associated subcommittees in support of the NERC or PC mission and corporate goals. All these activities support the NERC or PC mission and NERC corporate goals. The most recent PC meeting minutes are posted at:

http://www.nerc.com/docs/pc/Draft_%20PC_%20Minutes_%20June_%202010.pdf.

High Impact, Low Frequency (HILF) Risk Report. The PC, Operating Committee (OC), and Critical Infrastructure Protection Committee (CIPC) officers and NERC staff are working to develop a work plan to address the 19 proposals for action in the report. See Member Representatives Committee Agenda Item 6c (August 4, 2010) which describes the status of this effort.

Event Analysis and Investigation Processes. The PC and OC through the Event Analysis Working Group (EAWG), as well as the Regional Entities and NERC Operations and Engineering staffs, are working to develop consensus processes and procedures for analyzing and investigating events on the bulk power system in order to identify lessons learned that will lead to improvements in bulk power system reliability. This effort is being facilitated by Dave Nevius, Senior Vice President, NERC. The work plan is targeting the end of September 2010 for finalizing a consensus on draft processes and procedures documents, which will then be posted.

Generating Availability Data System Task Force. The PC approved a new task force to review and recommend whether Generation Owners on the NERC Compliance Registry should report generator reliability information through the existing GADS data system on a mandatory basis. NERC originally began collecting and analyzing power plant performance and unit outage information in 1982 with a voluntary GADS system. Data submittal to GADS remains voluntary and most (77 percent of capacity), but not all, North American Generation Owners provide the performance related data. The task force will:

1. Review GADS and determine what data currently collected by GADS is needed to support and improve bulk power system reliability.
2. Determine if collection of the data identified above should be mandatory by Generation Owners on the NERC Compliance Registry to support bulk power system reliability.
3. If GADS was made mandatory, recommend whether a Section 1600 data request should be used or a new standard should be developed.
4. Define data access to individual GADS unit data.

PC Subgroup Highlights

The PC has 19 subgroups, four of which report jointly to the PC and OC.

Joint OC/PC Subgroup Highlights

1. Event Analysis Working Group (EAWG). The EAWG developed a draft *NERC Event Categories and Levels of Analysis* document for comment. The document proposes five event categories and as well as the level of analysis for each category.
2. Reliability Metrics Working Group (RMWG). The PC approved the RMWG's 2010 *Annual Report on Bulk Power System Reliability Metrics* as well as an initial Section 1600 data request one of its metrics, ALR3-5 IROL/SOL Excursion. The RMWG also requested feedback on the draft white paper: *Integrated Bulk Power Risk Assessment Concepts* and the nine 2010 Reliability Metric Proposals contained in Section 6 of the 2010 Annual Report.
3. Integration of Variable Generation Task Force (IVGTF). The PC approved an IVGTF subteam report *Standard Models for Variable Generation*. The report addresses wind simulation models for power flow, short-circuit, and dynamic simulation. Comments were requested on an IVGTF draft report *Flexibility Requirements and Metrics for Variable Generation and their Implications on Planning Studies*.
4. Reliability Fundamentals Working Group (RFGW). The activities of the RFGW were temporarily suspended until the March 2011 meeting, when its status will be re-evaluated. The RFGW is charged with the oversight of the *Reliability Concepts Document*. The RFGW had developed a framework document for subsequent technical chapters to be added; however, the interest in the group's work has dwindled due to other issues that demand its members' attention.

Other Subgroup Highlights

1. Reliability Assessment Subcommittee (RAS): The PC approved two documents: (1) *2010 Special Reliability Scenario Assessment: Potential Reliability Impacts of Rapid Demand Growth after a Long-Term Recession* and (2) the *Reliability Assessment Guidebook, version 2*. In addition, the Reliability Assessment Guidebook Task Force was disbanded and its activities assumed by the RAS.
2. G&T Reliability Planning Models Task Force (GTRPMTF): The PC approved proceeding with a Web meeting to discuss and clarify draft methodology for the calculation of probabilistic resource adequacy metrics for use in NERC's long-term reliability assessments.
3. Resource Issues Subcommittee (RIS): The PC approved a RIS proposal to treat controllable demand response as a resource in the calculation of reserve margin for NERC reliability assessments. This will make reserve margin reporting consistent in NERC assessments.
4. System Protection and Control Subcommittee (SPCS): The SPCS will be seeking to modify *A Technical Reference Document: Power Plant and Transmission System Protection Coordination*, which the PC approved at its December 2009 meeting. Since its approval, the SPCS has received comments from industry that it feels are valid for incorporating. In addition, the revised document will, in part, address relay loadability issues raised by FERC in Order 733 that approved PRC-023-1. The modifications will be approved by the PC via an e-mail ballot prior to the September 2010 meeting.

5. Transmission Availability Data System Working Group (TADSWG): The PC approved posting revised 2008 TADS reports as well as 2009 TADS reports that contain Automatic Outage metrics and data for those calendar years. The PC also approved initiating a Section 1600 data request to change TADS Event Type Number definitions.

Review of Board Oversight of NERC Standing Committees

Action Required

None

Background

The following standing committees report directly to the Board of Trustees:

- Operating Committee (OC)
- Planning Committee (PC)
- Critical Infrastructure Protection Committee (CIPC)
- Standards Committee (SC)
- Compliance and Certification Committee (CCC)
- Personnel Certification Governance Committee (PCGC)

From a general perspective, each committee sets its priorities in annual work plans and reports progress periodically to the board. However, active interactions between the board and each committee are typically limited to review and approval of final products, changes to rules of procedure, or changes to scope documents. One could say these standing committees are largely self-directed in terms of priorities and initiatives, although the board does occasionally direct committees to perform certain tasks to address emerging reliability issues or regulatory mandates. Some of the committees also have standing obligations to the board, such as annual reliability assessments and seasonal assessments.

The form of the relationships with the standing committees may have shifted over time as a result of the transition from a voluntary organization to the ERO. As a voluntary organization, the previous stakeholder board often directed its priorities to standing committees for implementation, supported by staff. The ERO, however, has a number of statutory functions that are principally directed by staff, such as compliance monitoring and enforcement, event analysis, situation awareness, and training.

Self-direction is a particularly apt characteristic of the process for developing reliability standards. Over the several years the process has been in place, there has been an emphasis placed on allowing each drafting team to determine the timing and deliverables from its work. This is consistent with the ERO model adopted by Congress that provides deference to industry technical experts in the development of reliability standards. Work of the drafting teams is, however, guided by a three-year work plan that is periodically reviewed by the board. The board recently approved changes to the Standards Committee scope and the Reliability Standards Development Procedure to strengthen the role of the Standards Committee in achieving accountability for the timely delivery of high priority standards needed for reliability.

The March 18, 2010 orders by the Federal Energy Regulatory Commission (FERC) and the July 6, 2010 FERC technical conference on reliability standards development provide an opportunity to reflect on the question whether there is presently sufficient oversight and direction from the Board of Trustees in the area of reliability standards development. Regulatory mandates, identification of significant risks to bulk power system reliability, and emerging issues and technologies often dictate action by the ERO. In some cases failing to deliver critical results in a timely fashion could undermine the credibility of the ERO and jeopardize the overall effectiveness and reputation of the ERO.

A parallel set of questions can be asked of the other standing committees, although the question there may be more along the lines of whether NERC is making effective and efficient use of stakeholder resources to produce valuable results to improve reliability? Would the OC and PC benefit from a more robust dialog with the board regarding priority initiatives and deliverables? Similar questions could be asked about the CCC. With the principal responsibilities for the compliance program resting with the Board of Trustees Compliance Committee and the NERC and regional staffs, how could NERC make better use of the CCC as a valuable resource for improving reliability? What oversight and direction should the board be providing to the CCC and how should progress be measured?

The CIPC has unique and perhaps even more urgent challenges, as there is significant uncertainty regarding strategic direction for protection of critical infrastructure both in government and the private sector. The Electricity Sub-Sector Steering Council (formerly the ESSG) is working toward fulfilling this leadership role by developing a strategic roadmap for NERC in this area.

The PCGC is unique in that it has a clearly defined mission to manage the operator certification program.

Discussion Questions

1. What is the nature of the oversight and direction that the Board of Trustees should provide to the standards development program to ensure the success of the ERO and improve reliability?
2. Should the board consider forming a standards committee of the board to address this oversight role and to provide additional emphasis?
3. What activities could the board, or a committee of the board, undertake to improve the oversight of the standards development program?
4. How can the board improve its oversight of the remaining standing committees: OC, PC, CIPC, CCC, and PCGC, particularly with regard to timely delivery of results that have an impact on improving bulk power system reliability?
5. What is an appropriate set of responsibilities for the CCC, considering the current role of the BOTCC and staff in implementing the compliance program?

Third Amendment to Loan Documents



THIS THIRD AMENDMENT TO LOAN DOCUMENTS (this “**Amendment**”) is made as of August ____, 2010, by and between **NORTH AMERICAN ELECTRIC RELIABILITY CORPORATION** (the “**Borrower**”), and **PNC BANK, NATIONAL ASSOCIATION** (the “**Bank**”).

BACKGROUND

A. The Borrower has executed and delivered to the Bank (or a predecessor which is now known by the Bank’s name as set forth above), one or more promissory notes, letter agreements, loan agreements, security agreements, mortgages, pledge agreements, collateral assignments, and other agreements, instruments, certificates and documents, some or all of which are more fully described on attached Exhibit A, which is made a part of this Amendment (collectively as amended from time to time, the “**Loan Documents**”) which evidence or secure some or all of the Borrower’s obligations to the Bank for one or more loans or other extensions of credit (the “**Obligations**”).

B. The Borrower and the Bank desire to amend the Loan Documents as provided for in this Amendment.

NOW, THEREFORE, in consideration of the mutual covenants herein contained and intending to be legally bound hereby, the parties hereto agree as follows:

1. Certain of the Loan Documents are amended as set forth in Exhibit A. Any and all references to any Loan Document in any other Loan Document shall be deemed to refer to such Loan Document as amended by this Amendment. This Amendment is deemed incorporated into each of the Loan Documents. Any initially capitalized terms used in this Amendment without definition shall have the meanings assigned to those terms in the Loan Documents. To the extent that any term or provision of this Amendment is or may be inconsistent with any term or provision in any Loan Document, the terms and provisions of this Amendment shall control.

2. The Borrower hereby certifies that: (a) all of its representations and warranties in the Loan Documents, as amended by this Amendment, are, except as may otherwise be stated in this Amendment: (i) true and correct as of the date of this Amendment, (ii) ratified and confirmed without condition as if made anew, and (iii) incorporated into this Amendment by reference, (b) no Event of Default or event which, with the passage of time or the giving of notice or both, would constitute an Event of Default, exists under any Loan Document which will not be cured by the execution and effectiveness of this Amendment, (c) no consent, approval, or order or authorization of, or registration or filing with, any third party is required in connection with the execution, delivery and carrying out of this Amendment or, if required, has been obtained, and (d) this Amendment has been duly authorized, executed and delivered so that it constitutes the legal, valid and binding obligation of the Borrower, enforceable in accordance with its terms. The Borrower confirms that the Obligations remain outstanding without defense, set off, counterclaim, discount or charge of any kind as of the date of this Amendment.

3. The Borrower hereby confirms that any collateral for the Obligations, including liens, security interests, mortgages, and pledges granted by the Borrower or third parties (if applicable), shall continue unimpaired and in full force and effect, and shall cover and secure all of the Borrower’s existing and future Obligations to the Bank, as modified by this Amendment.

4. As a condition precedent to the effectiveness of this Amendment, the Borrower shall comply with the terms and conditions (if any) specified in Exhibit A.

5. To induce the Bank to enter into this Amendment, the Borrower waives and releases and forever discharges the Bank and its officers, directors, attorneys, agents, and employees from any liability, damage, claim, loss or expense of any kind that it may have against the Bank or any of them arising out of or relating to the Obligations. The Borrower further agrees to indemnify and hold the Bank and its officers, directors, attorneys, agents and employees harmless from any loss, damage, judgment, liability or expense (including attorneys' fees) suffered by or rendered against the Bank or any of them on account of any claims arising out of or relating to the Obligations. The Borrower further states that it has carefully read the foregoing release and indemnity, knows the contents thereof and grants the same as its own free act and deed.

6. This Amendment may be signed in any number of counterpart copies and by the parties to this Amendment on separate counterparts, but all such copies shall constitute one and the same instrument. Delivery of an executed counterpart of a signature page to this Amendment by facsimile transmission shall be effective as delivery of a manually executed counterpart. Any party so executing this Amendment by facsimile transmission shall promptly deliver a manually executed counterpart, provided that any failure to do so shall not affect the validity of the counterpart executed by facsimile transmission.

7. This Amendment will be binding upon and inure to the benefit of the Borrower and the Bank and their respective heirs, executors, administrators, successors and assigns.

8. This Amendment has been delivered to and accepted by the Bank and will be deemed to be made in the State where the Bank's office indicated in the Loan Documents is located. This Amendment will be interpreted and the rights and liabilities of the parties hereto determined in accordance with the laws of the State where the Bank's office indicated in the Loan Documents is located, excluding its conflict of laws rules.

9. Except as amended hereby, the terms and provisions of the Loan Documents remain unchanged, are and shall remain in full force and effect unless and until modified or amended in writing in accordance with their terms, and are hereby ratified and confirmed. Except as expressly provided herein, this Amendment shall not constitute an amendment, waiver, consent or release with respect to any provision of any Loan Document, a waiver of any default or Event of Default under any Loan Document, or a waiver or release of any of the Bank's rights and remedies (all of which are hereby reserved). **The Borrower expressly ratifies and confirms the waiver of jury trial provision contained in the Loan Documents.**

WITNESS the due execution of this Amendment as a document under seal as of the date first written above.

WITNESS / ATTEST:

**NORTH AMERICAN ELECTRIC
RELIABILITY COMPANY**

By: _____
(SEAL)

Print Name: _____

Print Name: _____

Title: _____

Title: _____

Print Name: _____
Title: _____

By: _____

(SEAL)
Print Name: _____
Title: _____

PNC BANK, NATIONAL ASSOCIATION

By: _____

(SEAL)
Lori S. Franzon
Vice President

**EXHIBIT A TO
THIRD AMENDMENT TO LOAN DOCUMENTS
DATED AS OF AUGUST ____, 2010**

- A. The “Loan Documents” that are the subject of this Amendment include the following (as any of the foregoing have previously been amended, modified or otherwise supplemented):
1. Letter Agreement dated February 23, 2007 between the Borrower and the Bank (the “**Agreement**”)
 2. Committed Line of Credit Note dated February 23, 2007 executed and delivered by the Borrower to the Bank (the “**Note**”)
 3. Security Agreement dated February 23, 2007 between the Borrower and the Bank
 4. Reimbursement Agreement dated February 23, 2007 between the Borrower and the Bank
 5. Borrowing Base Rider dated February 23, 2007 between the Borrower and the Bank
 6. Amendment to Loan Documents dated July 22, 2008
 7. Second Amendment to Loan Documents dated July 31, 2009
 8. All other documents, instruments, agreements, and certificates executed and delivered in connection with the Loan Documents listed in this Section A.
- B. The Loan Documents are amended as follows:
1. The Expiration Date, as set forth in the Agreement and the Note, is hereby extended from August 9, 2010 to June 15, 2011, effective on August 10, 2010.
 2. The definition of “Minimum Net Assets” set forth in the FINANCIAL COVENANTS section of the Agreement is hereby amended and restated in its entirety to read as follows:

“**Minimum Net Assets**” means total assets minus intangible assets minus total liabilities, provided however, that for each fiscal quarter through the fiscal year ending December 31, 2010 “Minimum Net Assets” shall include the add back of the prior period’s bonus adjustment of \$1,742,701.00.”
- C. Conditions to Effectiveness of Amendment: The Bank’s willingness to agree to the amendments set forth in this Amendment is subject to the prior satisfaction of the following conditions:
1. Execution by all parties and delivery to the Bank of this Amendment.
 2. Reimbursement of the fees and expenses of the Bank's in-house counsel in connection with this Amendment, which fees and expenses as of the date of this Amendment are \$500.00.