

Recent events signal big challenges in the way we regulate utilities. Training for regulators and public policy makers facing these challenges is essential.

Drawing upon MSU's tradition of providing regulator training and development seminars through the Institute of Public Utilities, the NARUC Annual Regulatory Studies Program (Camp NARUC) offers comprehensive training, consistent with today's environment, for both new and experienced regulators.

Camp NARUC, endorsed by the National Association of Regulatory Utility Commissioners, provides commissioners and staff with the information, skills and tools needed to be an effective regulator. Our regulatory studies program is distinct because:

- ◆ The program is designed specifically for regulators and policy makers.
- ◆ The program is critical, applied and forward-looking.
- ◆ Skilled academic, governmental and industrial experts from various disciplines teach valuable skills and lead topical discussions.
- ◆ You are actively involved in the learning process through case studies, simulations and team exercises as you interact with discussion leaders and other program participants.
- ◆ You establish a life-long network of colleagues.

Camp NARUC is a flexible program that can be tailored to different levels of professional development needs, depending on your job function, experience and level of expertise. Specific tracks in energy, telecommunications, water services and consumer affairs allow you to focus on distinct, relevant areas of interest and responsibility.

INSTITUTE of Public Utilities

2001

Camp NARUC

43rd Annual Regulatory Studies Program

August 5-17, 2001

Kellogg Hotel and Conference Center
Michigan State University

Start planning now for Camp NARUC, the comprehensive, practical regulatory studies program for state and federal utility regulators and policy makers.

Preliminary Schedule Inside

also offered...

Camp NARUC International

This seminar is designed for officials from developing countries who are responsible for establishing regulatory institutions, implementing policy and designing regulation for infrastructure sectors. The program complements the traditional Camp NARUC program.

The International Seminar begins August 4th and 5th with intensive instruction, analysis and discussion covering:

- ◆ Concepts and approaches for utility regulation
- ◆ Building an institutional framework for regulation
- ◆ Commission operations and regulatory processes
- ◆ Power sector reform and restructuring
- ◆ Telecom sector reform and restructuring
- ◆ Water and sanitation sector development

Additional workshops for international delegates are scheduled throughout the regular two-week course (August 5-17) to provide greater exposure and discussion of course topics. The International Seminar is offered with either the full two week Camp NARUC program or with the first week Camp NARUC program. The course fee covers tuition, course materials, continental breakfast, lunch, receptions, and tours. The fee does not include lodging or dinners.

For more information, visit www.bus.msu.edu/ipu
or call the Institute at 517-355-1876.

About the Program

Regulators face unprecedented challenges to effectively implement new legislation and utility sector reform; guide and evaluate the transition to competition and retail choice; and provide appropriate and effective consumer protection in changing markets.

Thoughtful, effective regulation in these rapidly changing times requires innovative approaches based on a full understanding of utility industry characteristics and conditions.

Practical knowledge of the historical, legal and economic basis of utility regulation is important. Knowledge of current industry structure, performance analysis and strategic planning is crucial.

The NARUC Annual Regulatory Studies Program, now in its 43rd year, is a comprehensive 10-day seminar designed to give you the information, skills and tools you need to be an effective regulator in an environment of rapid, fundamental change.

This program will help you:

Understand the role of regulation in utility industry restructuring,

Learn industry fundamentals,

Determine best regulatory practices,

Assess the performance of regulation and markets,

Learn and Apply new and advanced regulatory concepts and methods, and

Understand the requirements and conditions of competitive markets and the dynamics of their operation.

Faculty

The NARUC Annual Regulatory Studies Program features experienced instructors offering practical insight and a balance of perspectives. Instructors include university and research faculty, regulators from state and federal agencies, consumer representatives, and experts from the private sector.

Program Design

The NARUC Annual Regulatory Studies Program includes general sessions, industry-specific tracks in telecommunications, electricity, natural gas and water services, and special classes in consumer protection.

Instruction methods mix lectures, interactive workshops, case studies and practice problems. The program also provides a forum for discussion of issues and practices with other regulators from across the nation and around the world.

The full program is an integrated, two-week session, but you can attend one-week modules that fit your needs.

Week One focuses on the basics--the core knowledge and skills necessary to perform regulatory tasks in an increasingly competitive marketplace and a review of current regulatory and policy initiatives. It is especially suited to those who are relatively new to utility regulation.

Week Two concentrates on advanced regulatory methods and industry-specific issues and problems. It benefits those who have more experience and want to expand and refine their knowledge and skills.

Multiple tracks allow you to expand your knowledge in new or specific areas. Our Day Rate Option allows you to choose and pay for just the days of instruction that are useful to you.

Location & Travel

The Kellogg Center, a full-service hotel and conference center on the campus of Michigan State University, is the main site for the program.

The Kellogg Center and MSU are near many attractions including the state capitol and several fine golf courses. East Lansing is just 1-2 hours from the Detroit-Windsor area or several summer resort cities in Northern Michigan.

Rooms at a special conference rate of \$81 per night are available. Accommodations should be reserved as early as possible to assure rate and availability. Call the Kellogg Center directly at 800-875-5090. International guests call 517-432-4000.

Convenient air travel is offered through Lansing Capital Cities Airport. The Lansing airport is approximately 20 minutes from the Kellogg Hotel and Conference Center and is served by several airlines. Shuttle, taxi service and rental cars are available. Other nearby airports include Detroit Metro (1.5 hrs), Grand Rapids (45 min) and Flint Bishop International (1hr).

Who Should Attend?

The NARUC Annual Regulatory Studies Program is designed specifically for commissioners and professional staff members of local, state and federal agencies involved in regulation of utility industries. Participation is open only to individuals from governmental and public sector organizations. Those who will benefit from the program include:

New commissioners and staff of state and federal regulatory agencies,

Regulatory professionals with significant experience who need to understand new and emerging issues,

Regulatory professionals who are working in new areas of responsibility or using new approaches and skills,

Consumer advocates who advise or represent residential or business utility customers,

Attorneys general, staff attorneys and others who provide legal counsel to regulatory agencies, legislative staffs or consumer advocacy organizations,

Legislators and staff members involved in developing statutes related to energy, communications and water services, and

International regulators who are establishing new regulatory agencies and responsibilities as utilities in their countries make the transition from government ownership to private operation.

Tours

The program includes course-related tours designed to enhance the educational experience. Tours scheduled for this year's program include a regional power exchange, a telecommunications central office, a large co-generation plant, and municipal water and wastewater treatment facilities. There is no extra charge for tours, but you must register in advance and space is limited.

Attire

Casual attire is appropriate for all class sessions. Evening or business attire is recommended for the graduation banquet. Because classroom temperatures can seem "chilly" to some and "too warm" for others, we recommend that you dress in layers for class sessions and adjust according to your own comfort level.

Fees

The course fee for the full two-week program is \$1,575. The course fee for either one-week session is \$825. The fee covers tuition, educational materials, tours and transportation to tour sites, certificate of completion from Michigan State University, support for CPE/CLE credit application (upon request), breakfast and lunch (Monday through Friday), receptions, refreshment breaks, graduation banquet and barbecues. An additional fee is required to attend Camp NARUC International.

Lodging

For room reservations at the Kellogg Center, call 800-875-5090. International guests should call 517-432-4000. If you require a disability-related accommodation to participate in this event, please contact Margie Gray at 517-355-1876 or email to graym@msu.edu by July 5. Requests received after this date will be honored whenever possible.

Discounts

Commissioners: 25 percent course fee discount

Groups: Organizations that register four (4) participants for the full, two-week program at the regular tuition rate can register a fifth participant with a 50 percent tuition discount. Cancellations may result in a forfeiture of the group discount.

Cancellations & Refunds

Cancellations received in writing on or before July 5, 2001 will be accepted without penalty and payment will be fully refunded.

Cancellations received after July 5, 2001 are subject to a \$100 administrative fee.

Cancellations received after the start of the program will be charged full cost.

Substitutions are accepted at any time.

Registration

Complete this form and return to:

Program Registrar
Institute of Public Utilities
408 Eppley Center
Michigan State University
East Lansing, MI 48824-1121

Fax: 517-355-1854

Online registration:
www.bus.msu.edu/ipu

Camp NARUC 2001

and Camp NARUC International

43rd Annual Regulatory Studies Program - August 5-17, 2001

Full Name:		Badge Name:	
Title:		Department:	
Organization:			
Mailing Address:			
City:	State:	Zip / Postal Code:	Country:
Phone:	Fax:	Email:	
Primary Interest Area: <input type="checkbox"/> Electricity <input type="checkbox"/> Gas <input type="checkbox"/> Telecom <input type="checkbox"/> Water <input type="checkbox"/> Consumer Affairs			
<input type="checkbox"/> Other (please specify)			
<input type="checkbox"/> Please contact me about special dietary or accommodation needs.			

Registration Selections

- | | |
|--|----------------------------------|
| <input type="checkbox"/> Full Program, Two Weeks | <input type="checkbox"/> \$1,575 |
| <input type="checkbox"/> Full Program, Two Weeks with International Seminar* | <input type="checkbox"/> \$1,775 |
| <input type="checkbox"/> Week One or <input type="checkbox"/> Week Two | <input type="checkbox"/> \$ 825 |
| <input type="checkbox"/> Week One with International Seminar* | <input type="checkbox"/> \$1,025 |

* A limited amount of scholarship assistance is available for qualified international attendees. Contact the Institute for details.

NOTE: Daily rate and other attendance options are available. Contact the Institute for details.

Registration Fee Subtotal \$ _____

Less Discount - \$ _____

(50 percent discount for fifth attendee from same organization or 25 percent discount for commissioners)

Total Due \$ _____

Preliminary Tour Info

I am interested in the following tours:

- Power Generation Facility
- Telecommunications Central Office
- Water Treatment Facilities
- Michigan Electric Power Exchange

There is no extra fee for tours. Tour capacity is limited. Advance sign-up is required. Transportation is provided.

CLE/CPE Credit (optional)

I would like CLE or CPE credit for attending the course.

- CLE Credit for (state) _____
(bar #) _____
- CPE Credit for (state) _____

Note: MSU will apply for accreditation or registration of the program. Application does not guarantee approval.

Payment Method

- Check Enclosed
- Invoice my agency (P.O. # _____)
- Credit Card

MasterCard / VISA # _____
Expiration Date _____ Cardholder _____

Terms: Fees must be paid by check, payable to Michigan State University, or by credit card, by August 5, 2001.

For Office Use Only

Date Received

Customer ID#

Invoice #

Institute of Public Utilities Michigan State University

2001 Camp NARUC International

August 4-5, 2001
Kellogg Hotel and Conference Center
Michigan State University

This seminar is designed for officials from developing countries who are responsible for establishing regulatory institutions, implementing policy and designing regulation for infrastructure sectors. The program is designed to complement the traditional Camp NARUC program.

The International Seminar will be held August 4th and 5th with intensive instruction, analysis and discussion covering:

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- ◆ Commission operations and regulatory processes
- ◆ Power sector reform and restructuring
- ◆ Telecom sector reform and restructuring
- ◆ Water and sanitation sector development

Additional workshops for international delegates are scheduled throughout the regular two-week course (August 5-17) to provide greater exposure and discussion of course topics. Among the workshops planned:

- ◆ U.S. models and experience with electric restructuring
- ◆ U.S. energy market design
- ◆ Telecommunications access, interconnection, tariffing
- ◆ Cost-based ratemaking
- ◆ Performance-based regulation
- ◆ Consumer protection issues and programs
- ◆ Environmental issues
- ◆ Global investments in utility and infrastructure projects

The International Seminar is offered with either the full two-week Camp NARUC program or with the first week Camp NARUC program. The course fee covers tuition, course materials, continental breakfast, lunch, receptions, and tours. The fee does not include lodging or dinners.

Lead Faculty:

David Moskowitz is a Director and co-founder of The Regulatory Assistance Project (RAP). He served as a Commissioner of the Maine Public Utilities Commission from 1984 through 1989 after having served as a Commission Staff Attorney for six years. Mr. Moskowitz authored Maine's rules regarding the development of cogeneration and small power production. Before joining the Maine PUC he was employed by Commonwealth Edison, Inc., an Illinois utility. Mr. Moskowitz has published numerous technical and policy articles on incentive regulation, least-cost planning and renewable energy. He is a frequent speaker at national seminars on these topics and has provided expert testimony. He received a Bachelors degree in Engineering from Purdue University and a Law degree from Loyola University.

Fred Butler is a Commissioner with the New Jersey Board of Public Utilities and is Chairman of the NARUC Committee on International Relations. Mr. Butler served as Executive Director of the New Jersey General Assembly Democratic office from 1991 to 1999. He joined the Assembly Democratic staff in 1982 as Assistant Director of Budget and Fiscal Analysis. He served as Budget Director from 1984 to 1990 and in 1990 was named Deputy Executive Director. He served as a member of the Research Faculty of the Eagleton Institute of Politics' Center for Legislative Research and Service at Rutgers University. He holds a Bachelors degree in Modern Languages and Political Science from Villanova University and earned a Masters degree in International Relations from the Johns Hopkins University School of Advanced International Studies.

Robert Loubé is a Senior Consultant with Rhoads and Sinon, LLP. Previously he was Telecommunications Policy Specialist with the Universal Service Branch of the Federal Communications Commission. He holds a Bachelors degree in Economics from the University of Maryland, a Masters in Economics from the University of Massachusetts and a Ph.D. in Economics from Michigan State University. Previously, he was Director of the Office of Economics for the Public Service Commission of the District of Columbia. Before becoming director, he testified as the Senior Telecommunications Economist before the D.C. Commission in rate and regulatory reform cases. Mr. Loubé also has served on the Federal-State Joint Board staff in CC Docket 80-286; as an Econometrician for the Indiana Regulatory Commission; as faculty at James Madison University; and as an Economist for the Bureau of Economic Analysis, U.S. Department of Commerce. He is the author of several publications related to telecommunications issues.

Robert Holetz is a consultant who assists the Institute staff in the administration of activities including the Annual Regulatory Studies Program, the NARUC Advanced Regulatory Studies Program, and the Institute of Public Utilities Annual Conference. He is also a consultant to the utility industry on regulatory strategy and has represented utilities before several state regulatory agencies. In addition, he advises foreign nations concerning the creation and management of regulatory agencies. Most recently, he assisted in the creation of a regulatory agency in the African nation of Uganda, where he provided instruction to new commissioners and staff. Mr. Holetz was formerly the Executive Secretary, Iowa Utilities Board and has served as Chair of the NARUC Subcommittee on Education and as a member of the NARUC Subcommittee of Executive Directors.

Michelle F. Wilsey is the Acting Director of the Institute of Public Utilities. She holds a B.S. (economics and political science) and a M.A. (telecommunications), Michigan State University. Ms. Wilsey supports strategy, policy, development and management of the Institute. She is responsible for development and administration of Institute education programs, including NARUC-endorsed training, and research. She lectures extensively on regulatory models, incentive structures, performance-based regulation, and technological innovation in energy and telecommunications industries to national and international audiences. Ms. Wilsey serves as an instructor at Institute programs and seminars for regulatory commissions, network companies, and state legislatures. She also leads international initiatives including joint regulatory training with Argentina, research with the Japan Society of Public Utility Economics, and the international seminar on regulatory capacity building at Camp NARUC. Prior to joining the Institute Ms. Wilsey was Assistant Director, Columbia Institute for Tele-Information (C.I.T.I.), Columbia Business School (New York).

Camp NARUC International

Regulatory Capacity Development for Privatized Utility Sectors

PRELIMINARY AGENDA

Friday, August 3

6:00 p.m. Welcome and Orientation

Saturday, August 4

8:00 Breakfast

8:30-10:30 Concepts of Utility Regulation for Developing Countries

- Options for Infrastructure Provision
 - Conceptual Frameworks for Markets and Regulation
 - Private Sector Participation in Infrastructure
 - Market Structure Reform
 - Public Policy Goals
 - Regulatory Options and Approaches
- Instructor: **Michelle F. Wilsey**, Acting Director, Institute of Public Utilities

10:30 - 12:00 Institutional Framework

- Legislative Framework - Enabling Legislation
- Political Economy, Relationship to Other States, Regions and Institutions
- Functions and Responsibilities of a Regulatory Commission
- Organizational Structures and Characteristics of a Regulatory Commission
- Decision-Making Authority and Autonomy of Commissioners

Instructor: **Hon. Fred Butler**, Commissioner, New Jersey Board of Public Utilities; Chairman NARUC Committee on International Relations

12:00-1:30 Lunch

1:30 - 3:00 Commission Operations and Regulatory Process

- Commission Staffing and Management
 - Administrative Process
 - Consideration and Formulation of Decisions
 - Public Participation, Hearings, Rulemaking, Adjudication
 - Regulatory Information and Reporting
- Instructor: **Robert Holetz**, International Consultant

3:30 - 5:00 Discussion

5:30 Campus tour and dinner

Camp NARUC International is planned and presented with program support from the Regulatory Assistance Project. For online registration and complete, updated information about Camp NARUC, Camp NARUC International and the Institute of Public Utilities at Michigan State University, please visit:

www.bus.msu.edu/ipu

Phone: 517-355-1876

Fax: 517-355-1854

Sunday, August 5

8:00 Breakfast

Track 1- Power Sector Reform and Restructuring for Developing Countries

Lead Faculty: David Moskovitz, Director, Regulatory Assistance Project

8:30-9:15 Framework for Power Sector Reform

- Understanding Participants Goals and Constraints
- Power Supply and System Operations Issues
- Consumer Issues
- Environmental Issues
- Prices and Market Structure Issues
- IPPs and Competitive Bidding

9:15-9:30 Break

9:30-10:30 Power Supply and System Operations Issues

- Integrated Resource Planning Concepts
- System Planning
- System Operations and Reliability

10:30-10:45 Break

10:45-12:00 Consumer Issues

- Costs and Pricing
- Consumer Protection and Consumer Rights
- Consumer Advocacy and Participation in Regulation

12:00-1:30 Lunch

1:30-2:15 Environmental Issues

- The Power Sector and the Environment
- Role of Power Sector Regulation in Environmental Protection
- Incentives and Their Impact on the Environment

2:15-3:00 Prices and Market Structure Issues

- Competitive Options – Wholesale vs. Retail
- Performance Based Regulation
- Regulating Vertically Integrated Utilities
- Regulating GENCOs, TRANSCO and DISCOs

3:00-3:15 Break

3:15-4:00 IPPs and Competitive Bidding

- Dealing with High Cost IPP Contracts
- Framework for Competitive Bidding

4:00-5:00 Open Discussion

Goals and Constraints of Participants

4:30 Adjourn

Track 2- Telecommunications Sector Reform and Restructuring for Developing Countries

Lead Faculty: Robert Loube, Senior Consultant, Rhoads & Sinon LLP

8:30-9:15 Framework for Telecommunications Sector Reform

- Understanding Participants Goals and Constraints
- Global Impacts and National Requirements
- Telecommunications Networks
- Competition and Coordination
- Pricing in the New Marketplace
- Universal Service
- Consumer Issues

9:15-9:30 Break

9:30-10:30 Telecommunications Networks and Infrastructure Options

- Traditional Wireline Networks
- Wireless Systems
- Packet Technologies
- Internet Challenges

10:30-10:45 Break

10:45-12:00 Competition and Coordination Issues

- Limits on Incumbent Firms
- Unbundling Services
- Separate Subsidiaries
- Quality of Service
- Number Portability

12:00-1:30 Lunch

1:30-2:15 Pricing Options for the Emerging Marketplace

- Cost-Based Pricing
- Interconnection Compensation
- Price Caps
- Pricing to Attract Customers

2:15-3:00 Universal Service

- Individual or Community Access
- Investment Requirements
- Broadband Access
- Paying for Universal Service

3:00-3:15 Break

3:15-4:00 Consumer Issues

- Subsidies or Contributions
- Quality of Service
- Participating in Decision Making

4:00-5:00 Open Discussion

Goals and Constraints of Participants

4:30 Adjourn

Preliminary Schedule, Camp NARUC 2001

See www.bus.msu.edu/ipu for complete program information

Sunday, August 5

4:00 - 7:00 Registration & Orientation
6:30 - 8:30 Welcome Reception

Monday, August 6

8:00 - 10:00 General Session: Welcome & Opening Remarks
The Role and Evolution of Regulation

B R E A K

10:30 - 12:00 Telecom Session: Legal Foundations of Telecom Regulation
Energy Session: Legal Foundations of Energy Regulation

L U N C H

1:30 - 3:00 Telecom Session: Industry Overview - History, Regulation and Strategy
Energy Session: Gas Industry Overview - History, Structure and Regulation
Water Session: Unique Characteristics of the Water Industry

B R E A K

3:30 - 5:00 Telecom Session: Industry Overview - Players, Policies and Services
Energy Session: Electric Industry Overview - History, Structure and Regulation
Water Session: Regulation of the Water Industry

5:15 - 6:00 Workshop: Understanding the Process of Change in Utility Industries and Regulation
6:00 - 8:00 Commissioner Reception

Tuesday, August 7

8:00 - 10:00 Telecom Session: Telecom Technology and System Fundamentals I
Energy Session: Electric System Technology and Operations
Water Session: Technology and Operations - Tour of Local Water and Wastewater Treatment Facilities

B R E A K

10:30 - 12:00 Telecom Session: Tour of SBC/Ameritech Central Office Facilities
Energy Session: Gas System Technology and Operations
Water Session: Tour (cont.)

L U N C H

1:30 - 3:00 Telecom Session: Telecom Technology and System Fundamentals II
Energy Session: Site Tour and Discussion of Electric Generation Facility

B R E A K

3:30 - 5:00 Telecom Session: Participant Discussion and Review
Energy Session: Site Tour (cont.)

5:15 - 6:00 CLE Workshop: Ethics for Commissioners and Professional Staff
Camp NARUC International: Evaluating Global Investment Risk and Opportunities in Infrastructure Sectors

Wednesday, August 8

8:00 - 10:00 General Session: Traditional Ratemaking - Fundamentals of Rate Base and Rate of Return Regulation

B R E A K

10:30 - 12:00 General Session: Alternative Rate Design - Fundamentals of Performance Based and Incentive Regulation

L U N C H

1:30 - 3:00 Telecom Session: Price Cap Design and Applications in Telecom
Energy Session: Performance Based Regulation Design and Applications in Energy
Water Session: Water Infrastructure Funding Challenges

B R E A K

3:30 - 5:00 Telecom Session: Telecommunications Monitoring
Energy Session: The Role of Energy Efficiency, Renewables and the Environment in Electricity Regulation
Finance Session: Measuring Risk and Return in Utility Industries
Water Session: Structural Change in the Water Industry

5:15 - 6:00 Energy Session: The Role of Energy Efficiency...(cont.)
Finance Session: Measuring Risk and Return...(cont.)

Preliminary Schedule, Camp NARUC 2001

See www.bus.msu.edu/ipu for complete program information

Thursday, August 9

8:00 -10:00	Telecom Session: Competitive Market Fundamentals	Energy Session: Competitive Market Fundamentals		
B R E A K				
10:30 -12:00	Telecom Session: Telecom Separations and Accounting	Electric Session: Economics of Power Production and Delivery	Gas Session: Economics of Gas Production and Delivery	Water Session: The Federal Role - Overview of the Safe Drinking Water Act
L U N C H				
1:30 -3:00	Telecom Session: Overview of Federal Restructuring of Telecom	Electric Session: Overview of Federal Restructuring in Electric Power	Gas Session: Overview of Federal Restructuring in Natural Gas	Water Session: Capacity Development - Technical, Financial and Managerial
B R E A K				
3:30 -5:00	Telecom Session: State Perspectives on Federal Restructuring	Electric Session: Regional Transmission Policy	Gas Session: Changes in Federal Wholesale Models in Natural Gas	Accounting Session: Fundamentals of Regulatory Accounting - Basic Financial Statements and How They are used in Regulation
5:15 - 6:00	Telecom Workshop: Jurisdictional Issues - Process and Politics in Telecom Camp NARUC International Seminar: Case Studies - Discussion of Restructuring Projects and National Experiences			

Friday, August 10

8:00 -10:00	Telecom Session: Overview of State Telecom Regulation	Energy Session: Jurisdictional Issues - Process and Politics in Electric Power and Natural Gas Regulation and Restructuring		Accounting Session: Fundamentals of Regulatory Accounting - Basics of a Rate Case
B R E A K				
10:30 -12:00	Telecom Session: Court Review of Federal Regulation - Implications for State Regulation	Electric Session: Introduction to Retail Access and Competition in Electricity	Gas Session: Introduction to Open Access Retail Models in Natural Gas	Accounting Session: Fundamentals of Regulatory Accounting - Basics of a Rate Case (cont.)
L U N C H				
1:30 - 3:00	Telecom Session: Right of Way and Siting Issues in Telecom	Electric Session: Overview of Retail Regulation in Electricity	Gas Session: Overview of Retail Regulation of Natural Gas	
B R E A K				
3:30 - 5:00	Telecom Session: Panel Discussion - Evaluating the Telecommunications Act	Energy Session: Panel Discussion - Competition and Restructuring Issues in Energy		Water Session: Water Pricing Fundamentals

Saturday, August 11

All Day Michigan Power Exchange Facility Tour, Ann Arbor, Michigan (optional) -- or enjoy the National Folk Festival, East Lansing, Michigan

Sunday, August 12

Afternoon: Camp NARUC Barbecue

Preliminary Schedule, Camp NARUC 2001

See www.bus.msu.edu/ipu for complete program information

Monday, August 13

8:00 - 10:00 General Session: Evaluating Market Power in Network Industries

B R E A K

10:30 - 12:00 General Session: Merger Review and Competition Policy for Network Industries- Approaches of FERC and FCC

Water Session: Advanced Pricing

L U N C H

1:30 - 3:00 Telecom Session: Emerging Technology and Industry Structures - Cable, Wireless, DSL and Internet

Energy Session: Market Power Remedies in Electricity - State Statutory and Federal Antitrust Solutions

Water Session: Advanced Pricing (cont.)

B R E A K

3:30 - 5:00 Telecom Session: Federal Regulation of Cable, Wireless and DSL

Energy Session: Roundtable Discussion - California Case Studies

5:15 - 6:00 Workshop: Discussion of Federal Regulation of Cable, Wireless and DSL - State Issues
CLE Workshop: Ethics for Commissioners and Professional Staff (*repeat of week 1 workshop*)

Tuesday, August 14

8:00 - 10:00 General Session: Commission Organization and Transformation

B R E A K

10:30 - 12:00 Telecom Session: Telecom Pricing - UNEs, Reciprocal Comp, Detariffing, DSL Interconnection and Line Sharing Costs

Electric Session: Electric Wholesale Pricing and Cost Unbundling

Gas Session: Wholesale Delivery Service Pricing

Water Session: Methods for Assessing, Evaluating and Assisting Small Water Systems

L U N C H

1:30 - 3:00 Telecom Session: Analysis and Evaluation of Sec. 271 Filings and Approvals

Electric Session: Electric Retail Pricing and State Implementation of Retail Competition

Gas Session: Retail Service Pricing

Water Session: Consumer Protection and Inter-Agency Cooperation

B R E A K

3:30 - 5:00 Skills Session: Mediation and Alternative Dispute Resolution Processes for Utility Commissions

Electric Session: Evaluating State Competition Statutes

5:15 - 6:00 Energy Workshop: Status of Competition at the State Level
Optional Telecom Workshops: 1. Rural Issues; 2. Municipalities and Telecoms; 3. Pole Attachment Regulations

Wednesday, August 15

8:00 - 10:00 Telecom Session: CLEC - ILEC Interconnection

Electric Session: Electric Service Reliability

Gas Session: Evaluating New Pipeline Construction

Water Session: Industry Restructuring

B R E A K

10:30 - 12:00 Telecom Session: CLEC - ILEC Interconnection (cont.)

Energy Session: Customer Aggregation, Market Participation and Regulation

Water Session: Impacts of Deregulation on the Water Industry

L U N C H

1:30 - 3:00 General Session: Consumer Protection and Market Participation

Skills Session: Negotiation Strategies for Utility Regulators

B R E A K

3:30 - 5:00 General Session: Regulatory Enforcement - Issues and Models

Skills Session: Negotiation Strategies for Utility Regulators (cont.)

5:15 - 8:00 Camp NARUC International Seminar and Dinner: U.S. Commissioner Perspectives on Regulation and the Changing Nature of the Utility Industry

Preliminary Schedule, Camp NARUC 2001

See www.bus.msu.edu/ipu for complete program information

Thursday, August 16

8:00 - 10:00	Telecom Session: Federal Universal Service Regulation	Energy Session: Price and Bill Risk Management	Water Session: Evaluating Alternative Regulatory Options - A Scenario Planning Exercise
B R E A K			
10:30 - 12:00	Telecom Session: State Universal Service Requirements and Programs	Energy Session: State Enforcement Powers and Proceedings	
L U N C H			
1:30 - 3:00	Telecom Session: Alternative Regulatory Approaches for Modern Telecom Markets	Energy Session: Evaluating Federal Legislative Developments	Accounting Session: GAAP for Utilities - Traditional Utility Accounting and Reporting
B R E A K			
3:30 - 5:00	Telecom Session: State Enforcement Powers and Proceedings	Energy Session: Evaluating Restructuring Impacts on the Public Interest and Industry Performance	Accounting Session: GAAP for Utilities - Effects of Competition and Deregulation
6:00 - 9:00	Camp NARUC Reception & Graduation Banquet		

Friday, August 17

8:00 - 10:00	Telecom Session: Gathering and Evaluating Quality of Service Data	Energy Session: Alternative Energy Technologies: Issues, Options and Impediments	Accounting Session: Income Tax & Ratemaking - Computing Income Taxes
B R E A K			
10:30 - 12:00	Telecom Session: Numbering	Energy Session: Distributed Energy Resources and On-Site Generation	Accounting Session: Income Tax & Ratemaking - IRS Rules

ADJOURNED

This schedule is subject to change.
For an updated schedule and program information or to register online, visit www.bus.msu.edu/ipu or call the Institute of Public Utilities at 517-355-1876.