

USFCC Activities Report

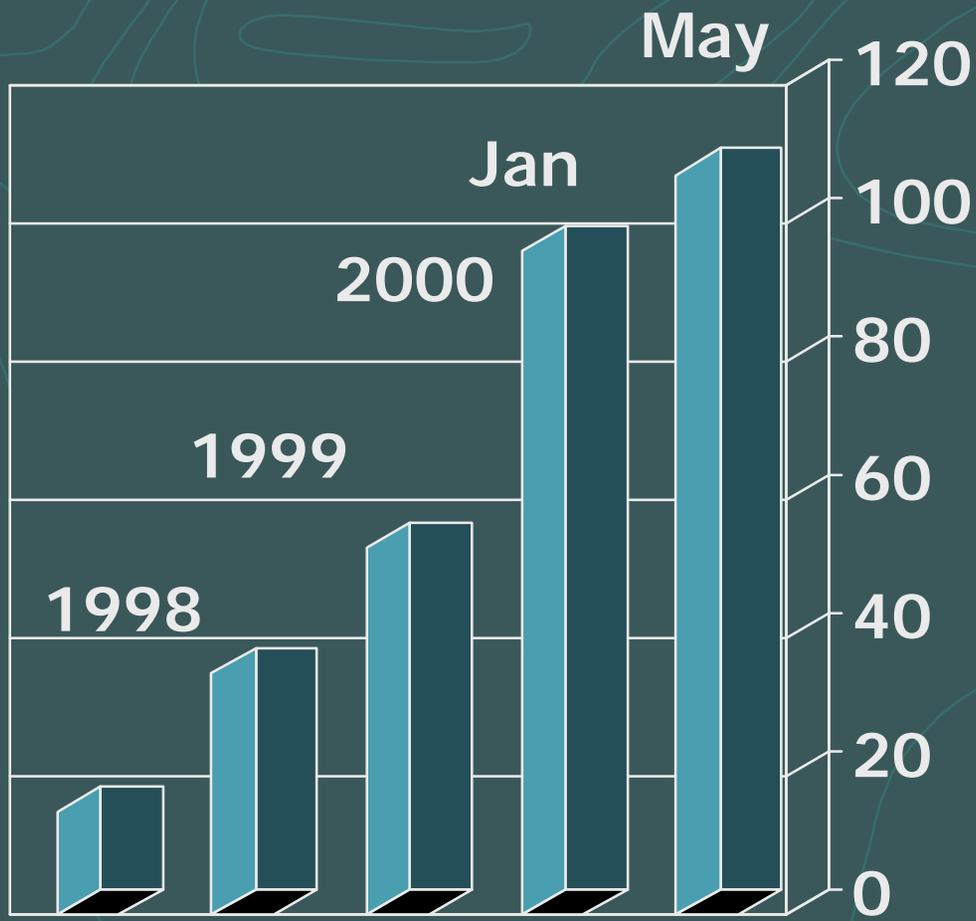
Bob Rose, Executive Director

May 29, 2002

Fuel Cell Summit VI

College Park, MD

Membership Growth



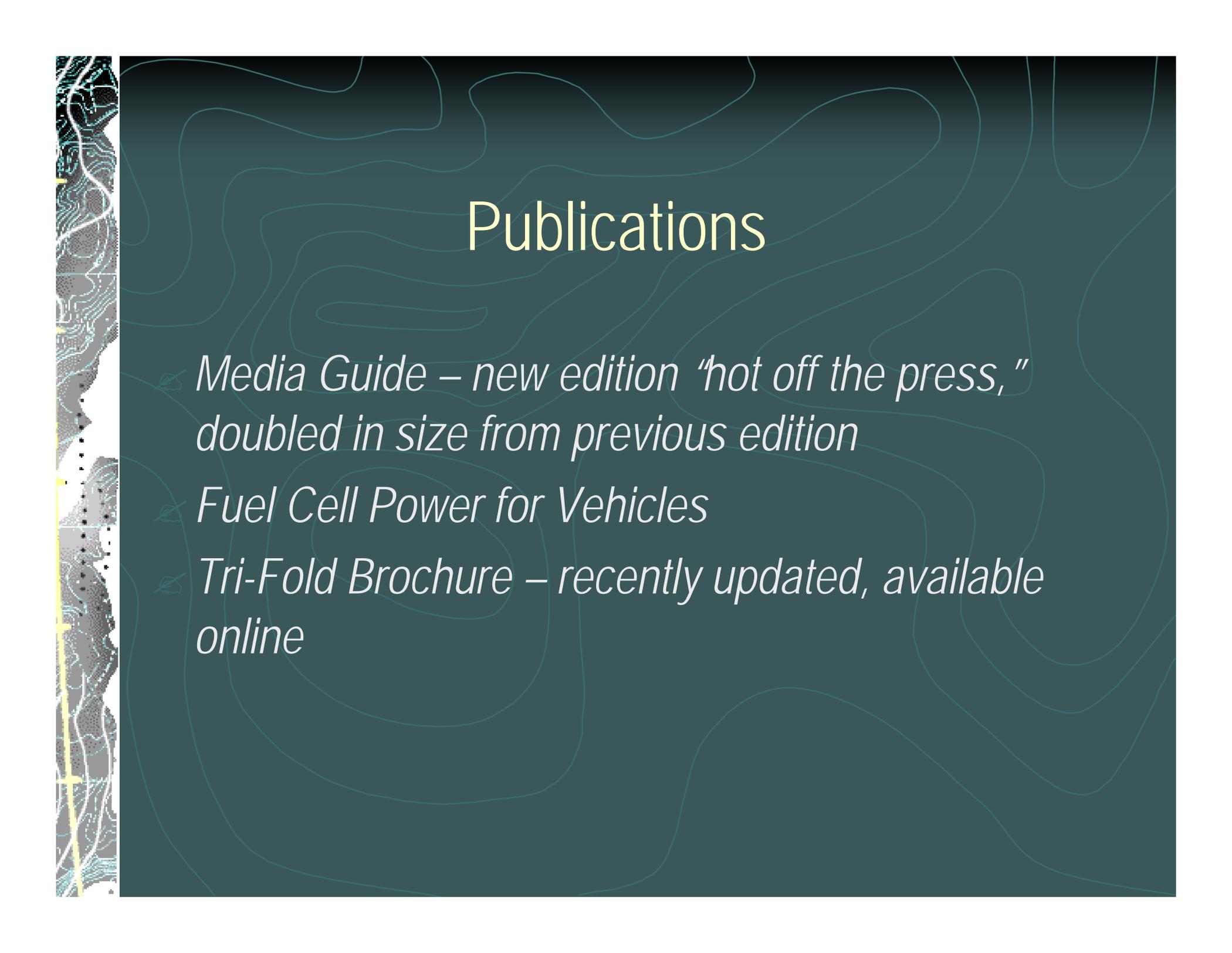
107 Members

49 Executive Members

58 Associate Members

Publications

- ✦ *Fuel Cell Glossary*
- ✦ *Weekly Currents*
- ✦ *Fuel Cell Connection* – 3900+ subscribers receive monthly and quarterly newsletters
- ✦ *Fuel Cell Catalyst* – recent issues focused on fuel cell cost reduction efforts, fuels for fuel cells, and national lab fuel cell research



Publications

- *Media Guide – new edition “hot off the press,” doubled in size from previous edition*
- *Fuel Cell Power for Vehicles*
- *Tri-Fold Brochure – recently updated, available online*



www.usfcc.com

Web site continues to be a valuable tool

- ✍ Member contact info
- ✍ "Fuel Cells Are Here Today"
- ✍ Career Center
- ✍ Fact Sheets

New: "Meet the Council" page highlighting conferences



www.usfcc.com

Members Only Web Site provides member benefits

- Working Group Minutes

 - Current and Archives

- Draft Publications

- Outreach Tools

 - Power Point, pdf, printable

- Codes and Standards Summary

 - Links to standards setting minutes



Operations

- ✍ Over 240 individuals are now on the Council's email distribution list
- ✍ 6th Working Group formed
- ✍ Stack Materials and Components



Stack Materials and Components

- Round Robin Testing - Conductivity
- Material Property Testing
- Material Specifications

- New chair: Eric Teather, Dupont

Codes & Standards Participation

- ✦ IEC TC 105

 - ✦ Safety, Portable, Performance, Propulsion

- ✦ CSA Standards

 - ✦ FC.1, FC.2, FC.3

- ✦ SAE Standards

- ✦ IEEE Standards

Codes & Standards Participation

Building Standards

-  NFPA

-  ICC

UL Standards

-  Portable

-  Hydrogen Generators

ISO TC 197

-  Hydride Canisters



Power Generation

Market Study Model

Industry Data (Price Waterhouse
Coopers)



Education & Outreach

- ✍ Conferences
- ✍ University Outreach
- ✍ Specialized Audiences
- ✍ Publications



Conferences -- Exhibiting

✍ AIChE †

✍ SAE World Congress †

✍ American Institute of Architects †

✍ National Science Teachers Conf. †



Conferences -- Exhibiting

- ✧ Fuel Cell Summit
- ✧ Fuel Cell Technology Institute (June)
- ✧ ICBO/BOCA (Sept.-Oct.)
- ✧ Power 2002 (Sept.-Oct.)
- ✧ Fuel Cell Seminar 2002 (Nov.)



Transportation

New Chair: Glenn Scheffler

SAE Standards

EIHP



Portable Power

Comprehensive Market Study

Portable Fuel Cell Definition

Transporting Portable Units -
Regulations and Standards



Conferences

Second Capitol Hill Expo

- ✍ 34 Exhibitors!
- ✍ Free hot dogs!
- ✍ Hundreds served!
- ✍ Small profit!



What's Next

- ✍ Continued Interest From Suppliers and Customers
 - ✍ Some “window shopping”
- ✍ Consolidation Among Developers
- ✍ Moderate Growth Overall
- ✍ Increasing Demand for Services
 - ✍ C&S
 - ✍ Education

Executive Members . . .

3-M

Avista Labs

Ballard Generation Systems

Cabot Corporation

Connecticut Clean Energy Fund

Conoco

Conti Enterprises, Inc.

DaimlerChrysler

Dana Corporation

Delphi Automotive Systems

Donaldson Company, Inc.

Dow Corning Corporation

DuPont Fuel Cells

EDEN Power, Inc.

Energy Conversion Devices, Inc.

Englehard Corporation

Freudenberg-NOK General Partnership

FuelCell Energy, Inc.

Graftech, Inc.

H-Power

Hydrogenics Corporation

Johnson Matthey

McDermott Technology, Inc.

Metallic Power, Inc.

Methanex Corporation

Executive Members . . .

Methanol Institute
Morgan Fuel Cells
Motorola Labs
MTI Micro Fuel Cells
National Joint Apprenticeship and
Training Committee
NextEnergy, Michigan Economic
Dev. Corp.
Nissan Technical Center North
America, Inc.
Nuvera Fuel Cells
Plug Power, Inc.
Porvair Fuel Cell Technologies
Proton Energy Systems, Inc.
Renewable Fuels Association

SAE International
SGL Carbon Corporation
Siemens Westinghouse
Stuart Energy USA
Sud-Chemie, Inc.
Syntroleum Corporation
Teledyne Energy Systems, Inc.
Tenneco Automotive
Texaco Energy Systems
TIMCAL Limited
UTC Fuel Cells
W.L. Gore
World Fuel Cell Council

Associate Members . . .

Agile Systems, Inc.
Air Products and Chemicals, Inc.
Asbury Graphite Mills
ATOFINA Chemicals, Inc.
Bayer Inc, Rubber Division
Bonneville Power Administration
Breakthrough Technologies
Institute
Bulk Molding Compounds, Inc.
California Air Resources Board
Caterpillar, Inc.
Ceramic Fuel Cells Limited
CFD Research Corporation
Concurrent Technologies Corp
Cooperative Research Network
(NRECA)

CSA International
De Nora North America, Inc.
Exergy, Inc.
FEV Engine Technology, Inc.
Fuel Cell Components and
Integrators, Inc.
Fuel Cell Technologies, Ltd.
Global Thermoelectric
Heliocentris
HARC
IdaTech
Independent Electrical
Contractors, Inc.
Ion Power, Inc.
MesoFuel, Inc.
Millennium Cell, Inc.

Associate Members . . .

National Fuel Cell Research
Center

Navy Office of Installations &
Environment

NexTech Materials, Ltd

OMG Corporation

Pacific Energy Ventures, LLC

Panasonic Technologies, Inc.

Poco Graphite, Inc.

Quantum Composites, Inc.

QuestAir Technologies

Reliant Energy

Rhodia Electronics & Catalysis

Smart Fuel Cell, GmbH

SOCA

South Coast Air Quality
Management

Superior MicroPowders, LLC

Sure Power Corporation

The Gillette Company

Thomas Industries

Ticona/Celanese

Tyco Electronics M/A-COM

U.S. Department of Energy

Underwriters Laboratories, Inc.

US Army CERL

Woodward Industrial Controls

Youtility, Inc.