



National Renewable Energy Laboratory

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## Village Power Bibliography

This is not a comprehensive list.

You can locate the abstracts for these publications on the NREL Web Site ([www.nrel.gov](http://www.nrel.gov)) and the RSVP Web Site ([www.rsyp.nrel.gov](http://www.rsyp.nrel.gov)), or you can receive full-text copies from National Technical Information Service (NTIS)

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Baring-Gould, E. I. (1996). *Hybrid2 Version 1.0 User Manual*. NREL/TP-440-21272. Golden, CO: National Renewable Energy Laboratory.

Baring-Gould, E. I., Barley, C. D., Drouilhet, S., Flowers, L., Jimenez, T., Lilienthal, P., Weingart, J., Soetendro, H., & Gultom, D.P. (1997). "Diesel Plant Retrofitting Options to Enhance Decentralized Electricity Supply in Indonesia." NREL/CP-440-23237. Presented at Windpower '97, Austin, TX, 15-18 June 1997.

Baring-Gould, E. I., Green, H. J., van Dijk, V.A.P., & Manwell, J. (1996). "Hybrid2 - The Hybrid Power System Simulation Model." NREL/TP-440-21506. Prepared for AWEA Windpower '96, Denver, CO, 23-27 June 1996.

Barley, C. D. (1996). *Modeling and Optimization of Dispatch Strategies for Remote Hybrid Power Systems*. Ph.D. Thesis. Fort Collins, CO: Colorado State University.

Barley, C. D., Lew, D. J., & Flowers, L. (1997). "Sizing Wind/Photovoltaic Hybrids for Households in Inner Mongolia." NREL/CP-440-23116. Presented at Windpower '97, Austin, TX, 15-18 June 1997.

Barley, C. D., Winn, C.B., Flowers, L., & Green, H. J. (1995). "Optimal Control of Remote Hybrid Power Systems Part 1: Simplified Model." NREL/TP-441-7806. Prepared for Windpower '95, Washington, D.C., 27-30 March 1995.

Burch, J. D. & Thomas, K. E. (1998). *Overview of Water Disinfection in Developing Countries and the Potential for Solar Thermal Water Pasteurization*. NREL/TP-550-23110. Golden, CO: National Renewable Energy Laboratory.

Cardinal, J., Flowers, L., Taylor, R., & Weingart, J. (1997). *Proceedings of Village Power '97*. 14-15 April, 1997, Arlington, VA. NREL/CP-440-23409. Golden, CO: National Renewable Energy Laboratory; 521 pp.

Castedo, S., Barrera, J., Suarez, G., Flowers, L., & Corbus, D. (1995). "Renewable Energy Options for the Electrification of Rural Schools in Argentina." *Windpower '95: Proceeding of the Annual Conference and Exhibition of the American Wind Energy Association*, 26-30 March, 1995, Washington, D.C.

Corbus, D. & Bergey, M. (1997). "Costa de Cocos 11-kW Wind-Diesel Hybrid System." NREL/CP-440-23296. Presented at Windpower '97, Austin, TX, 15-18 June 1997.

Corbus, D., Green, H. J., Allderdice, A., Rand, K., & Bianchi, J. (1996). "Testing of a 50-kW Wind-Diesel Hybrid System at the National Wind Technology Center." NREL/TP-440-21499. Prepared for AWEA Windpower '96, Denver, CO, 23-27 June 1996.

Davis, H.C. (1994). *Wind-Electric Ice Making for Developing World Villages*. Master's Thesis. Palo Alto, CA: Stanford University.

Davis, H., Brandemuehl, M., & Bergey, M. (1995). "Performance of a Stand-Alone Wind-Electric Ice Maker for Remote Villages." NREL/TP-441-7223. Prepared for Fourteenth ASME-ETCE Wind Energy Symposium, Houston, TX, 29 January -1 February 1995.

Drouilhet, S., Meiners, D., & Reeve, B. (1996). "A High-Penetration Wind-Diesel Hybrid Power System Pilot Project in Northwest Alaska." Prepared for Powersystems World '96, Las Vegas, NV, 7-13 September 1996.

Drouilhet, S., Muljadi, E., Holz, R., & Gevorgian, V. (1995). "Optimizing Small Wind Turbine Performance in Battery Charging Applications." NREL/TP-441-7808. Prepared for Windpower '95, Washington, D.C., 27-30 March 1995.

Flowers, L. (1997). "Renewables for Sustainable Village Power." NREL/CP-440-22608. Prepared for the International Conference on Village Electrification through Renewable Energy, New Delhi, 3-5 March 1997.

Flowers, L. (1998). "Lessons Learned - NREL Village Power Program." NREL/CP-500-24938. Presented at Windpower '98, Bakersfield, CA, 27 April- 1 May 1998.

Flowers, L., Green, H. J., Bergey, M., Lilley, A., & Mott, L. (1994). "Village Power Hybrid Systems Development in the United States." NREL/TP-442-7227. Prepared for European Wind Energy Conference, Thessaloniki, Greece, 10-14 October 1994.

Flowers, L., Rackstraw, K., Bergey, M., Lilley, A., & Pate, R. (1993). "Decentralized Wind Electric Applications for Developing Countries." Prepared for Windpower '93, San Francisco, CA, 12-16 July 1993.

Gevorgian, V., Corbus, D., Drouilhet, S., Holz, R., & Thomas, K. E. (1998). "Modeling, Testing and Economic Analysis of Wind-Electric Battery Charging Station." NREL/CP-500-24920. Presented at Windpower '98, Bakersfield, CA, 27 April - 1 May 1998.

Green, H. J. (1996). *Hybrid Power Test Bed*. NREL/SP-440-20496. Golden, CO: National Renewable Energy Laboratory.

Green, H. J., Clark, R. N., Brothers, C., & Saulnier B. (1994). "Wind/Hybrid Power System Test Facilities in the United States and Canada." NREL/TP-441-6626. Prepared for Windpower '94, Minneapolis, MN, 9-13 May 1994.

Holz, R.G. (1995). *Wind-Electric Icemaking Project: Phase II*. Master's Project. Boulder, CO: University of Colorado.

Holz, R., Baring-Gould, E. I., Corbus, D., Flowers, L., & McAllister, J. A. (1997). "Initial Results from the Operation of Village Hybrid Systems in Chile." NREL/CP-440-23436. Presented at Windpower '97, Austin, TX, 15-18 June 1997.

Holz, R., Corbus, D., Aguilar, I., & Hurley, P. (1995). "Hourly Simulations of Hybrid Renewable Energy Systems for San Cristobal/Santa Barbara, Guatemala." NREL/TP-463-7230. Prepared for Fourteenth ASME-ETCE Wind Energy Symposium, Houston, Texas, 29 January - 1 February 1995.

Holz, R., Drouilhet, S., & Gevorgian, V. (1998). "Wind-Electric Ice-Making Investigation." NREL/CP-500-24662. Presented at Windpower '98, Bakersfield, CA, 27 April- 1 May 1998.

Holz, R., Gevorgian, V., Drouilhet, S., & Muljadi, E. (1998). *Wind Electric Icemaking Project: Analysis and Dynamometer Testing. Vols. I & II*. NREL/TP-500-24010. Golden, CO: National Renewable Energy Laboratory.

Jimenez, A.C. (1998). *Optimal Design of Stand Alone Power Systems for Remote Rural Health Facilities*. Master's Thesis. Fort Collins, CO: Colorado State University.

Lambert, T.W. (1997). *Optimization of Autonomous Village Electrification Systems by Simulated Annealing*. Master's Thesis. Fort Collins, CO: Colorado State University.

Lew, D. J., Barley, C. D., & Flowers, L. (1997). "Hybrid Wind/Photovoltaic Systems for Households in Inner Mongolia." Prepared for the International Conference on Village Electrification through Renewable Energy, New Delhi, 3-5 March 1997.

Lew, D. J., Corbus, D., Holz, R., Flowers, L., & McAllister, J. A. (1996). "Analysis of Village Hybrid Systems in Chile." NREL/TP-440-21275. Prepared for AWEA Windpower '96, Denver, CO, 23-27 June 1996.

McGowan, J. G., Manwell, J., Avelar, C., & Warner, C. (1996). "Design and Evaluation of Hybrid Wind/PV/Diesel Power Systems for Brazilian Applications." *Windpower 1996: Proceedings of the American Wind Energy Association Conference*, 23-27 June 1996, Denver, CO.

Muljadi, E., Flowers, L., Green, J., & Bergey, M. (1996). "Electric Design of Wind-Electric Water Pumping Systems." *Journal of Solar Energy Engineering: Transactions of the American Society of Mechanical Engineers* (118:4); pp. 246-252.

Niewoehner, J., Larson, R., Azrag, E., Hailu, T., Horner, J., & VanArsdale, P. (March 1997). *Opportunities for Renewable Energy Technologies in Water Supply in Developing Country Villages*. NREL/ SR-430-22359. Golden, CO: National Renewable Energy Laboratory.

Olson, K. & Jimenez, A.C. (1998). *Renewable Energy for Rural Health Clinics*. NREL/BK-500-25233. Golden, CO: National Renewable Energy Laboratory.

Shirazi, M. & Drouilhet, S. (1997). "An Analysis of the Performance Benefits of Short-Term Energy Storage in Wind-Diesel Hybrid Power Systems." NREL/CP-440-22108. Prepared for 1997 ASME Wind Energy Symposium, Reno, NV, 6-9 January 1997.

Thomas, K. E. (1997). *Overview of Village Scale, Renewable Energy Powered Desalination*. NREL/TP-440-22083. Golden, CO: National Renewable Energy Laboratory.