

## เอกสารอ้างอิง

- [1] ฝ่ายวางแผนระบบไฟฟ้า, “สรุปแผนพัฒนากำลังผลิตไฟฟ้าของประเทศไทย พ.ศ.2553-2573,” การไฟฟ้าฝ่ายผลิตแห่งประเทศไทย, รายงานเลขที่ 912000-5304, เมษายน 2553.
- [2] W.S. Andrade, C.L.T. Borges, and D.M. Falcão, “Modeling Reliability Aspects of Distributed Generation Connected to Distribution Systems,” *Power Eng. Soc. General Meeting*, pp.1-6, 2006.
- [3] B. Meyer, L. Jamy, “Integrated resources planning for a centralized system,” *Power Eng. Soc. General Meeting*, vol.2, June 2004.
- [4] J. Paska, “Distributed generation and renewable energy source in Poland,” *Elect. Power Quality and Utilization*, pp.1-6, October 2007.
- [5] J.A. Peças Lopes, N. Hatziargyriou, J. Mytale, P. Djapic, and Jenkins “Integrating distributed generation into electric power systems: A review of drivers, challenges and opportunities,” *Elect. Power Syst. Research*, vol.77, no.9, pp.1189-1203, July 2007.
- [6] T. Ackerman, G. Anderson, and L.Söder, “Distributed generation: a definition,” *Elect. Power and Syst. Research.*, vol.57, no.3, pp.195-204, April 2001.
- [7] C.L.T. Borges, D.M. Falcão, “Optimal distributed generation allocation for reliability, losses, and voltage improvement,” *Int. J. of Elect. Power and Energy Syst.*, vol.28, no.6, pp.413-420, July 2006.
- [8] T.N. Shukla, S.P. Singh, and K.B. Naik, “Allocation of optimal distributed generation using GA for minimum system losses in radial distribution networks,” *Int. J. Eng., Sci. and Technology*, vol.2, no.3, pp.113-118, 2010.

- [9] Y. Alinejad-Beromi, M. Sedighizadeh, M.R. Bayat, and M.E. Khodayar, "Using genetics algorithm for distributed generation allocation to reduce losses and improve voltage profile," *UPEC 2007*, pp.954-959, March 2008.
- [10] G. W. Ault, J.R McDonald, "Planning for distributed generation within distribution networks in restructured electricity markets," *IEEE Power Eng. Rev.*, vol.20, no.2, pp.52-54, February 2000.
- [11] R.C. Dugan, T.E. McDermott, and G.J. Ball, "Distribution planning for distributed generation," *Rural Elect. Power Conf.*, pp.C4.1-C4.7, May 2000.
- [12] W. El-khattam and M.M.A. Salama, "Distributed generation technologies, definitions and benefits," *Electric Power Systems Research*, vol.71, pp.119-128, October 2004.
- [13] PP. Baker, R.W. de Mello, "Determining the impact of distributed generation on power systems: Part 1-Radial distribution systems," *Proc. IEEE PES Summer Meeting*, vol.3, pp.1645-1656, 2000.
- [14] R.E. Brown, L.A. Freeman, "Analyzing the reliability impact of distributed generation," *Proc. IEEE Summer Meeting*, pp.1013-1018, July 2001.
- [15] Y. He, G. Anderson, and R.N. Allan, "Determining optimum location and number of automatic switching devices in distribution systems," *Proc. IEEE Power Tech'99 Conf.*, 1999.
- [16] G. Celli, F. Pilo, "Optimal distributed generation allocation in MV distribution networks," *Proc. of IEEE PES Conf. on Power Ind. Comput. Applicat.*, pp.81-86, 2001.
- [17] M. Mardaneh, G.B. Gharehpetian, "Siting and sizing of DG units using GA and OPF based technique," *IEEE Region 10 conf.*, vol. 3, pp.331 – 334, November 2004.
- [18] F.L. Alvarado, "Locational aspects of distributed generation," *Proc. of IEEE PES Winter Meeting*, vol.1, pp.140, 2002.

- [19] F. Li, R. Broadwater, J. Thompson, and F. Goodman, "Analysis of distributed resources operating in unbalanced distribution circuits," *IEEE Summer Power Meeting*, vol. 4, pp.2315-2319, July 2000.
- [20] C. Tautiva, Á. Cadena, "Optimal placement of distributed generation on distribution networks," *Transmission and Distribution Conf. and Exposition*, pp.1-5, August 2008.
- [21] T. Back, U. Hammel, and H.P. Schwefel, "Evolutionary computation: comments on the history and current state," *IEEE Trans. Evol. Comput.*, vol.1, no.1, pp.3-17, April 1997.
- [22] V. Miranda, D. Srinivasan, and L. M. Proenca, "Evolutionary computation in power systems," *Electr. Power Energy Syst.*, vol.20, no.2, pp.89-98, February 1998.
- [23] ระเบียบการไฟฟ้าส่วนภูมิภาคว่าด้วยเรื่องการเชื่อมต่อระบบโครงข่าย, PEA, pp.1-13, 2008.
- [24] A.A. Abou El-Ela, S.M. Allama, and M.M. Shatla, "Maximal optimal benefits of distributed generation using genetic algorithms," *Elect. Power Syst. Research*, vol.80, no.7, pp.869-877, July 2010.
- [25] A. Zangeneh, S. Jadid, and A. Rahimi-Kian, "Promotion strategy of clean technologies in distributed generation expansion planning," *Renewable Energy*, vol.34, no.12, pp.2765-2773, July 2009.
- [26] A. Souroudi, M. Ehsan, "A distribution network expansion planning model considering distributed generation options and techno-economical issues," *Energy*, vol.35, no.8, pp.3364-3374, August 2010.
- [27] A. Headley et al, "CIRED working group no 4 dispersed generations," CIRED working group, June 1999. [Online]. Available: <http://www.cired.be/WG04-Report%20.pdf>
- [28] Standard coordinating committee, "IEEE standard for interconnecting distributed resources with electric power systems," The institute of electrical and electronics engineers. NY, USA, July 2003. [Online]. Available: <http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=>

1225051&tag=1

- [29] การไฟฟ้าส่วนภูมิภาค, “ระเบียบการรับซื้อไฟฟ้าจากผู้ผลิตไฟฟ้าขนาดเล็กมาก (สำหรับการผลิตไฟฟ้าจากพลังงานหมุนเวียน),” [Online]. Available: <http://www.pea.co.th/vspp/vspp/RegRenew.pdf>, ธันวาคม 2549.
- [30] W. El-khattam and M.M.A. Salama, “Distributed generation technologies, definitions and benefits,” *Electric Power Systems Research*, vol.71, pp.119-128, October 2004.
- [31] M.W. Davis, “Distributed resource electric power systems offer significant advantages over central station generation and T&D power systems Part I,” *Power Eng. Soc. Summer Meeting*, pp.54-61, 2002.
- [32] M.W. Davis, “Distributed resource electric power systems offer significant advantages over central station generation and T&D power systems Part II,” *Power Eng. Soc. Summer Meeting*, pp.62-69, 2002.
- [33] การไฟฟ้าส่วนภูมิภาค, “ระเบียบการรับซื้อไฟฟ้าจากผู้ผลิตไฟฟ้าขนาดเล็กมาก (สำหรับการผลิตไฟฟ้าจากพลังงานหมุนเวียน),” การไฟฟ้าส่วนภูมิภาค, 2546.
- [34] การไฟฟ้าส่วนภูมิภาค, “ระเบียบการไฟฟ้าส่วนภูมิภาคว่าด้วยการเดินเครื่องกำเนิดไฟฟ้าขนานกับระบบไฟฟ้าของการไฟฟ้าส่วนภูมิภาค,” การไฟฟ้าส่วนภูมิภาค, 2546.
- [35] C. Panitchart, “Optimal generated power and locations of distributed generation for reducing distribution loss based on deterministic approach,” Chulalongkorn University, pp.8-10, 2004.
- [36] IEEE std 519-1992, IEEE recommended practices and requirements for harmonic control in power systems. The institute of electrical and electronics engineers. NY, USA. 1992.
- [37] T.N. Shukla, S.P. Singh, and K.B. Naik, “Allocation of optimal distributed generation using GA for minimum system loss in radial distribution network,” *Int. J. Eng., Sci. and Technology*, vol.2, no.3, pp.94-106, 2010.

- [38] S.S. Hassan, P. Rastgoufard, "Detection of power system operation violations via fuzzy set theory," *Electric Power Systems Research*, vol.38, no.2, pp.83-90, August 1996.
- [39] O. Alsac, and B. Stott, "Optimal load flow with steady-state security," *IEEE Trans. on Power App. and Syst.*, vol.93, no.3, pp.745-751, May 1974.
- [40] A.J. Wood, and B.F. Wollenberg, "Power generation, operation, and control," Canada, NY, USA: John Wiley & Sons Inc., 1996.
- [41] กীরติ ชยะกุลคีรี, "การหาค่าตอบการไหลของกำลังงานไฟฟ้าที่มีต้นทุนการผลิตต่ำสุดในระบบไฟฟ้าที่มีต้นทุนการผลิตไม่ต่อเนื่องด้วยวิธีการเคลื่อนตัวของอนุภาคที่เหมาะสมที่สุด," M.S. thesis, Dept. Elect. Eng., Sripatum Univ., Bangkok, Th, 2549.
- [42] A.J. Urdaneta et al., "A hybrid genetic algorithm for optimal reactive power planning based upon successive linear programming," *IEEE Trans. on Power Syst.*, vol.14, no.4, pp.1292-1298, November 1999.
- [43] C.H. Lo et al., "Parallel evolutionary programming for optimal power flow," *IEEE Int. Conf. on Electric Utility DRPT*, vol.1, pp.190-195, April 2004.
- [44] T. Back, U. Hammel, and H.P. Schwefel, "Evolutionary computation: comments on the history and current state," *IEEE Trans. on Evolutionary Computation*, vol.1, no.1, pp.3-17, April 1997.
- [45] T.S. Hussian, "An introduction to evolutionary computation," Dept. of Comput. And Inform. Sci., Queen's University, Kingston, 1998, [Online]. Available: [neo.lcc.uma.es/cEA-web/documents/hussain98.pdf](http://neo.lcc.uma.es/cEA-web/documents/hussain98.pdf).
- [46] ผศ.ดร.อาทิตย์ ศรีแก้ว, "ปัญหาเชิงคำนวณ," สาขาวิศวกรรมไฟฟ้า สำนักวิชาวิศวกรรมศาสตร์ มหาวิทยาลัยเทคโนโลยีสุรนารี, พิมพ์ครั้งที่ 1, หน้า 110.
- [47] K.Y. Lee and M.A. El-Sharkawi, "Modern heuristic optimization techniques theory and applications to power systems," in *Introduction to Evolutionary Computation*, Piscataway, NJ, USA: IEEE, 2008.

- [48] E.G. Talbu, "Metaheuristics from design to implementation," Hoboken, NJ, USA: John Wiley & Sons Inc., 2009.
- [49] Y.R. Sood, "Evolutionary programming based optimal power flow and its validation for deregulated power system analysis," *International Journal of Electrical Power & Energy Systems*, vol.29, no.1, pp.65-67, 2007.
- [50] X. Yao, Y. Liu and G. Lin, "Evolutionary programming made faster," *IEEE Trans. On Evolutionary Computation*, vol.3, no.2, pp.82-102, July 1999.
- [51] C.L.T. Borges, D.M. Falcão, "Optimal distributed generation allocation for reliability, losses, and voltage improvement," *Int. J. of Elect. Power and Energy Syst.*, vol.28, no.6, pp.413-420, July 2006.
- [52] M. J. Rosero, M.A. Ríos, "Characterization of the maximum loadability in power systems due to contingencies in the operative planning scenario," [Online]. Available: [www.labplan.ufsc.br/congressos/powertech07/papers/22.pdf](http://www.labplan.ufsc.br/congressos/powertech07/papers/22.pdf)
- [53] F. Kreith, D. Y. Goswami, "Economics Methods," *Handbook of energy efficiency and renewable energy*, pp.3-1 to 3-24, 1 ed., CRC Press, May 2007.
- [54] ดร.ยิ่งปลิว ศุภกิตติวงศ์, "ไฟฟ้าพลังน้ำ (Hydroelectricity)," [Online]. Available: <http://www.yip.co.th/2010-10-03-06-35-34/88--hydroelectricity.html>
- [55] A. Zangeneh, S. Jadid, and A. Rahimi-Kian, "Promotion strategy of clean technologies in distributed generation expansion planning," *Renewable Energy.*, vol.34, no.12, pp.2765-2773, July 2009.
- [56] R. Ruegg, W. Short, "Economics Methods," *Handbook of energy efficiency and renewable energy*, pp.3-4 to 3-8, 1 ed., CRC Press, May 2007.

- [57] M. Yildirim, K. Erkan, and S. Ozturk, "Power generation expansion planning with adaptive simulated annealing genetic algorithm," *Int. J. of Energy Research*, vol.30, pp.1188-1199, 2006.
- [58] G.X. Luo, A. Semlyen, "Efficient load flow for large weakly meshed networks," *IEEE Trans Power Syst.*, vol.5, no.4, pp.1309-1316, November 1990.
- [59] D. Shirmohammadi, H.W. Hong, A. Semlyen, and G.X. Luo, "A compensation based power flow method for weakly meshed distribution and transmission networks," *IEEE Trans. Power Syst.*, vol.3, no.2, pp.753-762, 2002.
- [60] การไฟฟ้าส่วนภูมิภาค, "ระเบียบการไฟฟ้าส่วนภูมิภาคว่าด้วยเรื่องการเชื่อมต่อระบบโครงข่าย," PEA, pp.1-13, 2008.
- [61] A.H. Mantawy, M.S. Al-Ghamdi, "A New Reactive Power Optimization Algorithm," *Power Tech Conf.*, pp.1-6, June 2003.
- [62] O. Sahu, S. Meshram, and P. Rinhayat, "Application of ANN in Economic Generation Scheduling in IEEE 6-Bus System," *Int. J. Eng., Sci. and Technology*, vol.3, no.3, pp.2461-2466, March 2011.
- [63] Single line diagram of the IEEE 30-bus test system, [Online]. Available: [www.een.iust.ac.ir/profs/jadid/SCPM.pdf](http://www.een.iust.ac.ir/profs/jadid/SCPM.pdf)
- [64] L.L. Lai, "Intelligent system application in power engineering," in *An Evolutionary Programming Approach to Reactive Power Planning*, New York, 1998, ch. 4, pp. 88-91.