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## Developing sustainable urban growth in Egypt towards the location of renewable energy resources

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### CITIES' IDENTITY THROUGH ARCHITECTURE AND ARTS

Edited by: [Catalani, A](#); [Nour, Z](#); [Versaci, A](#); [Hawkes, D](#); [Bougdah, H](#); [Sotoca, A](#); [Ghoneem, M](#); [Trapani, F](#)

Pages: 369-378

Published: 2018

Document Type: Proceedings Paper

### Conference

Conference: 1ST INTERNATIONAL CONFERENCE ON CITIES IDENTITY THROUGH ARCHITECTURE & ARTS

Location: CAIRO, EGYPT

Date: MAY 11-12, 2017

Sponsor(s): Helwan Univ Egypt; Helwan Univ, Fac Fine Arts; Egyptian Architects Assoc; Int Experts Res Enrichment & Knowledge Exchange; Beta Egypt Urban Dev; Scib Paints

### Abstract

Sustainable urban growth nowadays is not an option for big cities all over the world. It is mandatory to protect the environment and our planet for the future of generations to come. We should work through a strategy that will eventually satisfy future cities' needs for energy. This strategy depends on generating energy from different resources, in ways that go beyond energy generation and utilisation. In addition, the strategy should also aim for environmental conservation and improving local manufacturing of energy equipment. We should study the potential locations in Egypt for generating renewable energy from wind, solar energy, waves, and biomass to ensure sustainable urban growth. Such strategies typically involve three major technological changes: to save energy consumption on the demand side, efficiency in the energy production, and replacement of fossil fuels by various renewable resources. This paper discusses the perspective of the renewable energy potential in Egypt and its impact on sustainable urban development for the 2050 Egyptian vision.

### Keywords

Author Keywords: [sustainable](#); [urban development](#); [renewable energy](#); [energy resources](#)

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### Publisher

CRC PRESS-BALKEMA, PO BOX 11320, LEIDEN, 2301 EH, NETHERLANDS

### Categories / Classification

Research Areas: Architecture; Art; Urban Studies

Web of Science Categories: Architecture; Art; Urban Studies

### Document Information

Language: English

Accession Number: WOS:000450422500036

ISBN: 978-1-315-16655-1; 978-1-138-05409-7

### Other Information

IDS Number: BL4IF

### Citation Network

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1. **Enhancing LEED as a sustainable rating system by applying its regional priority for all environmental regions** Times Cited: **1**  
 By: Aboneama, W.  
 INT C EXH SAT AUG HO Published: 2015  
 Wael  
 Publisher: OMICS group, Houston
2. **Protect the planet through sustainability rating systems with local environmental criteria-LEED in the Middle East** Times Cited: **1**  
 By: Aboneama, W.  
 ASIA PAC INT C ENV B Published: 2012  
 Publisher: Future Communities: Socio-Cultural & Environmental Challenges, Cairo
3. Title: [not available] Times Cited: **1**  
 By: Al-Youm, A. - M.  
 Egypt Plans New Hydroelectric Power Stations in Cooperation with China Published: 2015  
 Publisher: Al-Masry Al-Youm, Cairo
4. **Elnahas street** Times Cited: **1**  
 By: [Anonymous].  
 Elwatannews Published: 2014  
 Retrieved from img.adminlive  
 URL: [http://img.adminlive.elwatannews.com/old\\_news\\_images/large/266563\\_Large\\_20140909015505\\_11.jpg](http://img.adminlive.elwatannews.com/old_news_images/large/266563_Large_20140909015505_11.jpg)
5. Title: [not available] Times Cited: **1**  
 By: [Anonymous].  
 Future of renewable energy in Egypt Published: 2015  
 Publisher: Minsry of ecetricity & renewable energy, Cario
6. Title: [not available] Times Cited: **1**  
 By: [Anonymous].  
 New & renewable energy agency, renewable energy in Egypt Published: Feb. 2015  
 Publisher: Ministry of Housing, Cairo
7. Title: [not available] Times Cited: **41**  
 By: [Anonymous].  
 Survey of Energy Resources Published: 2007  
 Publisher: World Energy Council
8. Title: [not available] Times Cited: **1**  
 By: [Anonymous].  
 Wind Energy in Egypt Published: 2016  
 Publisher: Minsry of ecetricity & renewable energy, Cairo
9. **Cairo air pollution** Times Cited: **1**  
 By: [Anonymous].  
 CAIRO AIR POLLUTION Published: 2014  
 Retrieved from media philly  
 URL: <http://media.philly.com/>  
<http://media.philly.com/images/airpollutionciaro.jpg>
10. **upload.wikimedia-World\_Map Energy\_Use\_2013.png** Times Cited: **1**  
 By: [Anonymous].  
 UPLOAD WIKIMEDIA WOR Published: 2013  
 Retrieved from wikipedia Web site

URL: <https://upload.wikimedia.org>

11. **Wind strength in Egypt** Times Cited: 1  
Group Author(s): ars.els-cdn  
WIND STRENGTH EGYPT Published: 2009  
Retrieved from
12. Title: [not available] Times Cited: 1  
By: Bank, T. W.  
Who Gains and Who Loses from Plunging Oil Prices in the Middle East and North Africa Region Published: 2015  
Publisher: The World Bank Group, Washington
13. **Cairo vision 2050** Times Cited: 1  
Group Author(s): Cairofrombelow  
CAIR VIS 2050 Published: 2011  
Retrieved from
14. **biomass fuel sources** Times Cited: 1  
Group Author(s): Calbiomass  
BIOM FUEL SOURC Published: 2013  
Retrieved from Biomass fuel
15. **egypt-energy-consumption** Times Cited: 1  
Group Author(s): climateobserver  
EG EN CONS Published: 2016  
Retrieved from Egyptian energy consumption
16. Title: [not available] Times Cited: 1  
By: company, E. E.  
Annual report Published: 2011  
Publisher: Egyptian Electricity Holding company, Cairo
17. Title: [not available] Times Cited: 1  
By: Ehab, F.  
Egypt Aims to Halt Gas Imports in 2020-Minister Published: 2015  
Publisher: Thomson Reuters, London
18. **Environmental Systems Research Institute** Times Cited: 1  
Group Author(s): ESRI  
Nature magazine Published: 2014
19. **Distribution of countries generate power from wind** Times Cited: 1  
Group Author(s): geocurrents  
DISTR COUNTR GEN POW Published: 2012  
Retrieved from
20. **Potential of solar power** Times Cited: 1  
Group Author(s): helioscsp  
POT SOL POW Published: 2016  
Retrieved from helioscsp.com
21. **Zero emission bus** Times Cited: 1  
Group Author(s): Hildalsolis  
ZER EM BUS Published: 2017  
Retrieved from zeroemmissh
22. **Egypt Plans New Hydroelectric Power Stations in Cooperation with China** Times Cited: 1  
Group Author(s): Independent E  
Egypt Independent Published: , Mar 4 2015
23. **Paulo-Monorail** Times Cited: 1  
Group Author(s): inhabitat  
PAUL MON Published: 2014  
Retrieved from inhabitat.com

24. **Zero emission cars** Times Cited: 1  
Group Author(s): Insideevs  
ZER EM CARS Published: 2016  
Retrieved from insideevs.com
25. Title: [not available] Times Cited: 3  
By: Mui, S.  
The Zero Emission Vehicle Program Published: , May 2010  
Clean Vehicles and Fuels  
Publisher: NRDC
26. **London river taxi** Times Cited: 1  
Group Author(s): Offtolondon  
LOND RIV TAX Published: 2011  
Retrieved from Retrieved from www.offtolondon.com
27. Title: [not available] Times Cited: 1  
By: Pascale, E.-K.  
Egypt Aims to Produce 20% of Power from Renewables by 2020 Published: 2015  
Publisher: Aman
28. **Bike bicycle** Times Cited: 1  
Group Author(s): Pining  
BIK BIC Published: 2014  
Retrieved from Bicycle
29. **Falling Oil Prices Both Blessing, Curse for Egypt** Times Cited: 1  
By: Rami, G.  
Al-Monitor Published: , Jan 6 2015
30. Title: [not available] Times Cited: 1  
By: Reuters, T.  
Egypt to Build 4,300 MW Solar, Wind Plants in 3 Years Published: 2015  
Publisher: Reuters, London

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