

HALLA R. SAHELY, Ph.D., P.Eng

422 Halfmoon Drive, P.O. Box 59
Halfmoon Bay, St. Kitts

Phone: (869) 662-6092
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EDUCATION

2006:

- ◆ Ph.D. Civil Engineering (Environmental), University of Toronto
 - Thesis work: Urban water systems for sustainable cities
 - Recipient of NSERC Post-Graduate Scholarship and University of Toronto Open Fellowship
 - First author on four scholarly journal publications and presented at numerous conferences

2000:

- ◆ M.Sc. Environmental Engineering and Science, Stanford University
 - Recipient of Department of Civil and Environmental Engineering Fellowship

1997:

- ◆ B.A.Sc. Civil Engineering (Environmental), Co-operative Education, University of Ottawa
 - Plaque for Highest Standing in Graduating Civil Engineering Class, Summa Cum Laude

RELEVANT AREAS OF EXPERTISE

- ◆ **Water Resources Management for Small Island Developing States**
Extensive field experience in water utility management, strategic planning, project management and public education and awareness for the island of St. Kitts-Nevis
- ◆ **Sustainability Implications of Engineering Activities in the Water Sector**
Extensive coursework in water resources engineering and management; experience with use of economic tools for program and project evaluation including sustainability criteria and indicators.
- ◆ **Interpersonal Skills**
Supervisory and teaching experience; strong written and oral communication skills; self-starter; strong analytical and organizational skills; able to work with minimal supervision and as part of a team; fluently bilingual (English and French).

EMPLOYMENT HISTORY

Jan/16 – Present: *Consulting Engineer and Project Manager*
Self-employed

- ◆ Provide a wide array of consulting and project management services in the area of water resources and environmental planning and management.
- ◆ Current projects:
 - Climate Change Adaptation (Water and Agriculture) and Mitigation (Energy and Transport) National Expert for Technology Needs Assessment for St. Kitts and Nevis, March 2021 – October 2023 (Funded by the GEF / Government of St. Kitts and Nevis, Client: UNEP Copenhagen Climate Centre / Department of Environment)
 - Technical Specialist GEF-IWEco regional project, April 2023 - January 2024 (Funded by the GEF, Client: IWEco Project Coordinating Unit)
- ◆ Completed projects:
 - Designed and delivered training session on “Emergency Water Supply and Treatment” March 2023 (Funded by UNICEF, Client: Nevis Department of Disaster Management)

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- National Project Coordinator for the GEF-IWEco St. Kitts and Nevis National Project aimed at addressing the impacts of land degradation in St. Kitts and Nevis, Jan 2019 – December 2022 (Funded by the GEF / Government of St. Kitts-Nevis, Client: Department of Environment)
- Water Engineer for implementation of “Incorporating Drought Risk Modelling as a Planning Tool for Climate Change Adaptation Measures in St. Kitts and Nevis”, Dec 2021 – Dec 2022 (Funded by UN CTCN, Client: HR Wallingford, Department of Environment)
- Waste Sector Expert for implementation of “Reduction of Unintentionally Produced Persistent Organic Pollutants Emissions by Improving Waste Management Practices at Landfills” (Funded by the GEF, Client: Environment Tourism Consulting Ltd., RWA Group, BCRC-Caribbean)
- Waste Sector Expert for the preparation of the Greenhouse Gas Inventory for the St. Kitts and Nevis Third National Communication and First Biennial Update Report (Funded by the GEF, Client: Department of Environment)
- Consulting Engineer for “Ensuring Water Security in Vulnerable Schools in St. Kitts and Nevis Through Onsite Water Storage Capacity” (Funded by USAID, Client: Caribbean Community Climate Change Centre and Department of Environment)
- Project Engineer for the new Basseterre High School Phase I – Design and Environmental Impact Assessment (Funded by the Government of St. Kitts-Nevis, Client: Ministry of Education)
- Designed and delivered training session on “Water Use Efficiency in Agriculture” (Funded by the GEF SGP, Client: New Rivers Farmers Cooperative)
- Technical Analysis and Design Report for the St. Kitts Water Conservation and Drought Management Project: Water Auditing, Retrofitting Pressure Management, and Identification of New Water Sources (Funded by the EU, Client: St. Kitts Water Services Department)
- Review of the St. Kitts-Nevis National Biosafety Policy and Draft Guidance Report for the Biosafety Administrative System (Funded by the GEF, Client: Department of Environment)

Jul/13 – May/14:

Manager/Water Engineer

Government of St. Kitts and Nevis

Ministry of Energy, Public Works, Housing and Public Utilities

Water Services Department

- ◆ Managed all aspects of strategic planning for the water utility
- ◆ Advised the Government of St. Kitts-Nevis on water policy issues focused on sustainable water resources management
- ◆ Managed the capital and recurrent work programme including proposal development, budget preparation, procurement, project and financial management and monitoring and evaluation
- ◆ Supervised and lead a total workforce of over 100 employees including all aspects of human resource management
- ◆ Represented the Government of St. Kitts-Nevis in various national, regional and international forums on water resources and environmental management

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Jun/07 – Jun/13:

Assistant Water Engineer- Planning and Projects

Government of St. Kitts and Nevis

Ministry of Energy, Public Works, Housing and Public Utilities

Water Services Department

- ◆ Coordinated all aspects of strategic planning for the water sector in St. Kitts
- ◆ Managed capital projects including proposal development, procurement and implementation
- ◆ Managed projects funded by external donors including liaison, reporting, monitoring and evaluation
- ◆ Coordinated and supervised field activities
- ◆ Designed and implemented training programme for WSD staff

CERTIFICATES AND MEMBERSHIPS

- ◆ GHGMI Certificates of Proficiency for 501 IPCC: Introduction to Cross-Cutting Issues and 511 IPCC: Waste (March 2020)
- ◆ Past Vice President of the Caribbean Water and Wastewater Association (CWWA)
- ◆ Professional Engineer in the province of Ontario, Canada (P.Eng)

JOURNAL PUBLICATIONS

- ◆ Sahely, H.R. and C.A. Kennedy (2007) Water Use Model for Quantifying Environmental and Economic Sustainability Indicators. ASCE Journal of Water Resources Planning and Management 133(6): 550-559.
- ◆ Sahely, H.R., MacLean, H.L, Monteith, H.D. and D.M. Bagley (2006) Comparison of On-site and Upstream Greenhouse Gas Emissions from Canadian Municipal Wastewater Treatment Facilities. Journal of Environmental Engineering and Science 5: 405-415.
- ◆ Sahely, H.R., Adams, B.J., and C.A. Kennedy (2005) Developing Sustainability Criteria for Urban Infrastructure Systems. Canadian Journal of Civil Engineering 32:72-85.

CONFERENCE PAPERS

- ◆ Sahely, H.R. et al (2022) Incorporating Drought Risk Modelling as a Planning Tool for Climate Change Adaptation in St. Kitts and Nevis. Caribbean Water and Wastewater Association Annual Conference. Nassau, The Bahamas. October, 2022.
- ◆ Sahely, H.R. (2022) Catalyzing Adaptive Management in the Implementation of Nature-Based Solutions in St. Kitts and Nevis. Caribbean Water and Wastewater Association Annual Conference. Nassau, The Bahamas. October, 2022.
- ◆ Sahely, H.R. (2022) Assessment of the Effectiveness of Nature-Based Solutions to Land Restoration in St. Kitts and Nevis. Resilience to Climate Change in Small Island Developing States (SIDS) in the Caribbean Forum. Chirst Church, Barbados. June, 2022.