

25 March 2020

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**Re: New England Solar Farm: Request for endorsement to prepare Heritage Management Plan**

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Dear Iwan,

EMM Consulting Pty Limited (EMM), on behalf of UPC Renewables Australia Pty Limited (UPC), requests endorsement to prepare Heritage Management Plans (AHMP) for the New England Solar Farm project (SSD 9255).

Development consent for the project was granted by the Independent Planning Commission (IPC) on 9 March 2020. In accordance with the Conditions of Consent, Schedule 3, Condition 19(a), EMM require endorsement from the Secretary of the Department of Planning, Industry and Environment (DPIE).

EMM proposes to prepare two separate documents to address Aboriginal cultural heritage and historical cultural heritage: an Aboriginal heritage management plan (AHMP) and a Historical heritage management plan (HHMP).

The AHMP will be prepared by EMM Associate Archaeologist, Team Leader Ryan Desic (BA Hons Historical and Prehistoric Archaeology) who is a suitably qualified and experienced archaeologist and heritage consultant. Ryan has over 10 years' experience in consulting archaeology and prepared the Aboriginal cultural heritage assessment (ACHA) for the New England Solar Farm to support the project Environmental Impact Statement. Accordingly, EMM is well-placed to prepare the AHMP as we are experienced with the project, its Aboriginal cultural heritage values, and have an existing relationship with the project registered Aboriginal parties (RAPs) and the Department of Planning Industry and Environment regional archaeologist. EMM regularly prepare ACHAs and AHMPs for projects throughout NSW. A copy of Ryan's CV is attached to this letter.

The HHMP will be prepared by EMM Associate Archaeological, National Technical Leader Pamela Kottaras (BA Hons Historical and Prehistoric Archaeology) who is a suitably qualified and experienced archaeologist and heritage consultant. Pamela has over 20 years' experience as an archaeologist and heritage consultant across infrastructure, mining, energy and property development and construction. Pamela prepared the historical heritage assessment and statement of heritage impact for the New England Solar Farm to support the project Environmental Impact Statement. Accordingly, Pamela has extensive knowledge of the historical heritage values of the project and is suitably qualified to prepare the HHMP. A copy of Pamela's CV is attached to this letter

Ryan and Pamela have prepared management plans for other projects and have been previously endorsed by DPIE.

Please do not hesitate to contact me on my details below if you have any questions.

Yours sincerely,

A handwritten signature in black ink, appearing to read 'Ryan Desic', with a stylized, flowing script.

**Ryan Desic**

Associate Archaeologist - Heritage Team Leader

[rdesic@emmconsulting.com.au](mailto:rdesic@emmconsulting.com.au)

# Ryan Desic

Associate Archaeologist – Heritage Team Leader

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## Curriculum vitae

Ryan is a senior archaeologist with over 10 years' experience in the heritage consulting industry.

Ryan has led a number of major Aboriginal and historic archaeological investigations across renewable energy, infrastructure, and extractive industries.

Ryan is experienced in the preparation of complex Aboriginal cultural heritage assessment reports requiring up-front risk management and Aboriginal consultation processes.

Ryan is focused on de-risking projects by offering up-front strategies for positive heritage outcomes that benefits both clients and stakeholders.

## Qualifications

- Bachelor of Arts (Hons) in Prehistoric and Historical Archaeology, University of Sydney, 2009
- Australian Archaeological Association (AAA) – member
- Occupational Health and Safety construction induction White Card NSW, 2008
- Senior First Aid training
- 4WD training certificate

## Career

- EMM Consulting, 2012–present
- Archaeologist, subcontractor to Sydney-based heritage companies including Kelleher Nightingale Consulting, Godden Mackay and Logan (GML) and Casey and Lowe, 2008–2012

## Recent representative experience

### Aboriginal heritage

- Snowy Hydro 2.0, project manager for heritage technical specialist studies, Snowy Mountains NSW (Snowy Hydro)
- Burrawang to Avon Tunnel, Aboriginal cultural heritage assessment, Robertson NSW (WaterNSW)
- New England Solar Farm Project, Aboriginal cultural heritage assessment, Uralla/Armidale NSW (UPC Renewables Pty Ltd)
- Cowal Gold Operations, Aboriginal heritage salvage works, Lake Cowal NSW (CGO Operations)
- Marulan South Limestone Mine, Aboriginal cultural heritage assessment, Marulan South NSW (Boral Property Group)
- Hume Coal Project, Aboriginal cultural heritage assessment, Moss Vale NSW (Hume Coal)

- Orange Grove Sun Farm, Aboriginal cultural heritage assessment, Gunnedah NSW (Overland Renewables)
- Berrima Rail Project, Aboriginal cultural heritage assessment, Moss Vale NSW (Hume Coal)
- Menangle Quarry Extension Project, Aboriginal cultural heritage assessment, Menangle NSW (Benedict industries)
- Bourke Abattoir Project, Aboriginal cultural heritage assessment, Bourke NSW (Saran Engineers)
- Gunlake Quarry Extension Project, Aboriginal cultural heritage assessment, Marulan NSW (Gunlake Quarries) Peppertree Quarry, Aboriginal salvage excavation report, Marulan South NSW (Boral Property Group)
- Gloucester Gas Project Exploration, Wards River pilot testing, Wards River NSW (AGL)
- Cobbora Coal Project, Aboriginal cultural heritage test excavation report, Cobbora NSW (Cobbora Holding Company)
- Hume Coal Project, historic heritage assessment, Southern Highlands NSW (Hume Coal)

## Historical heritage

- Sydney Metro North West historical excavation program, Sydney NSW (Transport for NSW)
- New Life Project Pyrmont, historical archaeological assessment and salvage excavation, location (TWT Developments)
- Sydney Metro North West, archival record report, NSW (Boulderstone),
- The Northern Road Upgrade, archaeological assessment and research design for three sites, location (Roads and Maritime Services)
- Barangaroo Development, historic excavation and on site artefact management, Sydney CBD NSW (Casey and Lowe and Bovis Lend Lease)
- Darling Walk Development, historic excavation, Sydney CBD NSW (Casey and Lowe and Bovis Lend Lease);
- Honeman Close, archival record report of former service station, Huntingwood NSW (Blacktown Council)
- Emu Plains Concrete House, archival record report, NSW (Boral)
- Brewarrina Lift Span Bridge, statement of heritage impact, Brewarrina NSW (Roads and Maritime Services)
- Bellevue Hill Public School, unexpected finds report, Sydney NSW (Group GSA)
- Victorian Terrace House, 27 Bennett St Surry Hills, statement of heritage impact, Sydney NSW (private employer)



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Senior Archaeologist

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# Pamela Kottaras

Associate, National Technical Leader, Historical Heritage

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## Curriculum vitae

Pamela has over 20 years' experience as an archaeologist and heritage consultant across infrastructure, mining, energy and property development and construction. She has managed numerous projects requiring assessment and resolution of the impact on Aboriginal and historical heritage sites. Her work covers complex historical assessments and heritage impact statements, Aboriginal heritage assessments, site analysis, archival recording, heritage statutory planning and policy review, and excavation and survey planning and supervision.

Pamela works closely with historic and Aboriginal heritage communities, government agencies and clients. She has held co-director positions on a number of archaeological excavation projects for SSI approvals as well as on s140 permits and sole excavation director on s60 permits. She has partnered with Macquarie University to mentor emerging professionals and contributes to the teaching consulting skills to students.

## Qualifications

- Bachelor of Arts (Hons) majoring in Prehistoric and Historical Archaeology, University of Sydney, 1997
- Laboratory Technician Certificate, Sydney Technical Collage, 1987
- Australian Society for Historical Archaeology – full member since 2004
- Australia ICOMOS Inc – full international member since 2005
- Board member on the Macquarie University Ancient Cultures Research Centre, now the Centre for Ancient Cultural Heritage and Environment since 2015
- Rail Industry Worker qualified
- White Card qualified
- Four-wheel driver training

## Career

- EMM Consulting, 2013–present
- Team Leader Cultural heritage, Biosis, 2009–2013
- Manager, Austral Archaeology, 2007–2009
- Consultant, Austral Archaeology, 2004–2009
- Heritage Consultant, City Plan Heritage, 2002–2004
- Research Assistant, Otto Cserhalmi & Partners Architects, 2001–2002
- Research assistant, Heritech Consulting, 1998–2001

## Representative experience

### Mining and resources

- Hume Coal Project, historical heritage assessment and statement of heritage impact lead, Berrima (Hume Coal)
- Berrima Rail Project, historical heritage assessment and statement of heritage impact lead, location (Hume Coal)
- Peppertree Quarry, Aboriginal Salvage excavation field work and reporting co-director, Marulan South (Boral)

- Marulan South Limestone Mine Continued Operations Project, historical heritage assessment and statement of heritage impact lead, Marulan South (Boral)
- AGL Camden Gas Project, historical heritage assessment, Camden (AGL)

## Roads and rail

- Sydney Metro North West, excavation co-director, historical archaeological assessments and excavation programs for Cherrybrook, Castle Hill, Showground and Kellyville Station and viaduct sites and White Hart Inn, Sydney NSW (Transport for NSW)
- Pitt Town Bypass Preliminary Environmental Investigation (lead, non-Aboriginal heritage chapter), Pitt Town (Roads and Maritime Services)
- Windsor Bridge Replacement Project, historical heritage statement of heritage impacts lead, archaeological test excavation and landscape design input, Sydney NSW (Roads and Maritime Services)
- Windsor Bridge Options Study, assessment of historical heritage constraints, Sydney NSW (RTA)
- Grafton Bridge Duplication Project, non-Aboriginal heritage constraints reports and options report, Grafton NSW (Roads and Maritime Services)
- Grafton Bridge Duplication Project, non-Aboriginal heritage environmental assessment report, Grafton NSW (Roads and Maritime Services)
- Hume Highway Bypass at Tarcutta Unexpected Finds Reports, Regional NSW (RTA)
- Hume Highway Bypass at Tarcutta, archival record of Hambledon Homestead, Humula, Tarcutta Cemetery, Regional NSW (RTA)
- Great Western Highway Upgrade, Lawson, heritage construction management plan and heritage management report, Regional NSW (RTA)
- Nundah Bank Third Track, historical heritage assessment and statement of heritage, Singleton (Australian Rail Track Corporation)
- Erskine Park, Aboriginal Archaeological Salvage Excavation and project management, Sydney NSW (RTA).
- RTA Heritage and Conservation Register Update, analysis and history, Sydney NSW (RTA).

## Urban growth and development

- Dubbo Hospital Redevelopment Project; unexpected finds assessment for Hansen Yunken on behalf of Savills Australia
- New Life residential development Pyrmont, archaeological assessment and salvage excavation, Sydney NSW: Excavation co-director (TWT Developments)
- Dubbo Hospital Redevelopment Project; historical archaeological baseline assessment for Savills Australia
- Garden Island archival recording project, Sydney NSW (Lendlease for Defence)
- North-West Growth Centre, heritage assessment, Sydney NSW (Sydney Water Corporation)
- Proposed Holroyd Substation, Aboriginal archaeological and cultural assessment, Sydney NSW (Transgrid)

## Water infrastructure

- Pipehead and Potts Hill Reservoirs, statement of heritage impacts, Sydney NSW (Transgrid)
- Stevens Weir Deniliquin, statement of heritage impact, Regional NSW (State Water)
- Gogeldrie Weir and Yanco Old Weir, statement of heritage impact and exemption notification, NSW (NSW State Water, Leeton Branch).
- Edmondson Park Wastewater Planning Study, Aboriginal and historical risk assessment, Sydney NSW (Sydney Water)
- Spring Farm Trunk Main, Aboriginal test excavation and project management, Sydney NSW (Networks Alliance)

## Conservation

- Sydney Metro North West, conservation of the White Hart Inn and listing on the State Heritage Register, Sydney NSW (Transport for NSW)
- Eveleigh Locomotive Workshop conservation management plan, Sydney NSW (Otto Cserhalmi and Partners)
- Eveleigh Carriageworks, conservation management plan, Sydney NSW (Otto Cserhalmi and Partners)
- Linnwood Estate, conservation management plan (archaeological component), Liverpool (City Plan Heritage for Council)
- Goat Island, conservation management plan (archaeological components), Sydney NSW (National Parks and Wildlife Service)

- White Bay Power Station, peer review of conservation management plan endorsements, White Bay (NSW Heritage Council)
- Fort Scratchley Historic Site, peer review of conservation management plan endorsements, Fort Scratchley (NSW Heritage Council)
- Wallah and Moonee Collieries, peer review of conservation management plan endorsements, Newcastle (NSW Heritage Council)
- Dyke Point, peer review of conservation management plan endorsements, Dyke Point (NSW Heritage Council)
- Blue Mountains Tracks Into History, peer review of conservation management plan endorsements, Blue Mountains (NSW Heritage Council)
- Sewage Pumping Station SP0271, peer review of conservation management plan endorsements, Marrickville (NSW Heritage Council)
- Sewage Pumping Station SP0038, peer review of conservation management plan endorsements, Mascot (NSW Heritage Council)



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**PAMELA KOTTARAS**

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