

25. STUDY TEAM

The Surat Gas Project supplementary report to the Environmental Impact Statement (SREIS) has been a collaborative effort by multiple individuals and organisations. Key team members from the proponent, lead environmental consultant, and environmental impact assessment specialist consultancies are acknowledged in this chapter.

25.1 Proponent – Arrow Energy Pty Ltd

Arrow Energy Pty Ltd (Arrow) is the proponent for the proposed project. The Arrow team listed in Table 25.1 worked in collaboration with Coffey Environments (Australia) Pty Ltd (Coffey Environments) to assist in preparing this report. Many other various departments of Arrow contributed towards this report by developing such elements as the project description, responding to requests for information and reviewing submissions made on the EIS, specialist studies and SREIS chapters. These departments are as follows:

Table 25.1 Arrow SREIS technical team

Team Member	Project Role	Qualifications and Years of Experience
Hilary Mercer	Vice President – LNG and Integration	MA Eng Sc (Oxon), Fellow of Institution of Mechanical Engineers.
Paul Neilson	EIS Manager	BSc (Geoscience), GradDip (Education). 16 years experience.
Gerard Coggan	EIS Strategic Advisor	BEng (Civil and Environmental), MEngMgmt, DipProjMgmt. 16 years experience.
John Eddington	Surat Gas EIS Project Manager	BSc (AES). 20 years experience.
Tony Rutter	Upstream Environmental Specialist	BAppSc (Env Mgmt), MEnvSt. 11 years experience.
Mathew Cosgrove	EIS Coordinator	BESc; Grad Cert Env Mgmt; Dip Project Mgmt. 10 years experience.
Linda Wulf	EIS Coordinator	BA (LIS), BBus (HRM), Dip (LS). 14 years experience.
Louise Bredenhann	EIS Project Officer	4 years experience.
Carolyn Collins	Water Manager	BSc. 18 years experience.
David Wolf	Upstream Early Works Project Manager	QBE. 31 years experience.
Chris Wheeler	Project Manager Power Supply	BEng, BSc, MBus. 32 years experience.
Graham Cordingley	Environment and Regulatory Compliance Manager - Upstream LNG Project	BSc. 15 years experience.
Ben McMahon	Corporate Environment Programs Team Leader	BEng (Env) (Hons). 14 years experience.

Table 25.1 Arrow SREIS technical team (cont'd)

Team Member	Project Role	Qualifications and Years of Experience
David Fleming	Corporate Environment Adviser - Biodiversity and Fauna	BSc (Hons), CEnvP. 8 years experience.
St John Herbert	Team Leader Groundwater Modelling	BSc (Geology) (Hons), MSc Hydrogeology. 20 years experience.
Chris Wicks	IFL Project Lead	BASc, (Rural Mgmt). 15 years experience.
Rachael Uhr	Social Investment Coordinator	BSSc, Human Services. 16 years experience.
Frances Kinman	Senior Community Officer	BCInd, Media and Communication. 8 years experience.
Julia Cheong	Civil/Environmental Engineer	BEng. 7 years experience.
Peta Tucker	Social Investment Team Lead	BA Communications Media. 18 years experience.
Craig Morgan	Property Development Manager	Grad Dip Urban & Regional Planning, CPM (APMPUK - In Progress). 22 years experience.
Helen Wood	Corporate Ecology and Biodiversity Team Leader	MSc (Tropical Ecology), EIANZ CEnvP. 20 years experience.
Cosmas Hiew	Upstream Senior Project Engineer	BEng (Hons), MBa, CP Eng (EA), CPM (APM). 23 years experience.
Colin Whyte	Sustainable Development Team Leader	QBE. 23 years experience.
Tim Drew	Upstream OR&A Manager	BSc, MBA, CEng M I Mech E. 28 years experience.
Pedro Milano	Senior Project Process Engineer	MSc PE, BS ME. 19 years experience.
Craig Charlton	Approvals Manager	B. Urban & Regional Planning; Grad Dip Urban & Regional Planning; Dip Business; LLB. 14 years experience.
Rachel Palmer	HSE Risk Manager	PhD Maths, Chartered Engineer. 34 years experience.
Samantha McKenzie	Senior Risk and Process Safety Engineer	BEng (Chem). 20 years experience.
Simon Gossman	Groundwater Team Leader	BSc (Hons), MSc. 11 years experience.
Tony Knight	Vice President - Exploration	BSc (Hons). 25 years experience.
Christophe Collet	Senior Project Engineer	BSc (Hons), MEng. 17 years experience.
Lucy Broughton	Principal Drilling Engineer – Front End Design	BEng, BSc, Shell 1 & 2 Well Eng Cert. 10 years experience

Table 25.1 Arrow SREIS technical team (cont'd)

Team Member	Project Role	Qualifications and Years of Experience
Mario Occhi	Senior Project Engineer Power	Dip Electrical Eng. 30 years experience
David Munro	Upstream LNG Development Manager	BSc (Hons) Chem Eng, Chartered Chem Eng (UK). 28 years experience.
Kel Sanson	Corporate Environmental Advisor – Soil & Erosion	BAPSc (Natural Systems & Wildlife Mgmt). 13 years experience.
Walter Schutte	Commercial Manager Market Operations	BEng (E&E). 23 years experience.
Chris Felton	Senior Project Engineer	CEng.; M.I.Mech.E. 35 years experience.

25.2 Environmental Lead - Coffey Environments Australia Pty Ltd

Coffey Environments Australia Pty Ltd (Coffey Environments) were commissioned by Arrow as lead environmental consultant on the Surat Gas Project. The Coffey Environments management and technical team is shown in Table 25.2.

Table 25.2 Coffey Environments SREIS project team

Team Member	Project Role	Qualifications and Years of Experience
Barton Napier (Senior Principal)	Project Director Strategic Advisor	AssocDip of Applied Science (Computing), Certificate of Technology (Survey and Mapping). 35 years experience.
Jessica Reid (Associate)	Project Manager	BEng (Environmental) (Hons), BSc (Zoology). 7 years experience.
Emma Waterhouse (Principal)	Strategic Advisor	BSc (Botany and Zoology), MSc (Resource Mgmt) (Hons). 22 years experience.
Stephan Gabas (Principal)	Strategic Advisor Technical Reviewer	Post Grad Dip Research (Freshwater Ecology), MSc (Marine Biology), BSc (Marine Biology). 19 years experience.
Christopher Doig (Principal)	Technical Reviewer SREIS Author	MEnvMgmt, BSc (Australian Environmental Studies). 22 years experience.
Renee Harvey (Senior Associate)	Technical Reviewer SREIS Author	BSc (Earth Sciences) (Hons). 10 years experience.
Joanne Lockyer (Senior Associate)	Technical Reviewer SREIS Author	MAppLaw (Environment Law), BA (History and Political Science). 10 years experience.
Medina Hasan (Senior Associate)	Technical Reviewer SREIS Author	BSc (Ecology, Geographical Sciences), MEnvMgmt (NRM), MUrbRegPlan. 10 years experience.
Cheryl Crumblin (Associate)	Technical Reviewer SREIS Author	DipNRMgmt, BSc (Forestry)(Hons), MSc (EnvMgmt) in progress. 12 years experience.
Tasha Latham (Associate)	Technical Reviewer SREIS Author	MSc (Planning and Environment), BSc (Environment). 10 years experience.

Table 25.2 Coffey Environments SREIS project team (cont'd)

Team Member	Project Role	Qualifications and Years of Experience
Jayne Rutter (Associate)	Technical Reviewer SREIS Author	BEnvMgmt (Hons), GradCertSc (Groundwater Hydrology). 12 years experience.
Marissa Haywood (Associate)	SREIS Author	BSc (Biology), BSc (Chemistry) (Hons), PhD (Inorganic Chemistry). 6 years experience.
Andrew Jensen (Senior Consultant)	Technical Reviewer SREIS Author	BSc (Geography) (Hons). 6 years experience.
Suzanne Giles (Senior Consultant)	SREIS Author	BEnvMgmt (Sustainable Development), BLaw in progress. 3 years experience.
Heath Synnott (Senior Consultant)	SREIS Author	BSc (Forestry), BA (Political Science). 6 years experience.
Peter Lowik (Consultant)	Studies Coordinator SREIS Author	BSc (Zoology and Ecology) (Hons- Geography). 2 years experience
Sarah Finlayson (Consultant)	Studies Coordinator SREIS Author	BEng (Environmental) (Hons). 5 years experience.
Lucy Thomas (Consultant)	SREIS Author	BSc (Zoology and Ecology). 3 years experience.
Ellie Thackray (Consultant)	SREIS Author	BSc Environmental Geology (Industry) (Hons). 6 years experience.
Lucy Ambrosio (Consultant)	SREIS Author	GradDip (EnvMgmt), BSc (Biology). 3 years experience.
Thomas Wiltshire (Consultant)	Studies Coordinator SREIS Author	BSc (Ecology and Evolutionary Biology). 1 year experience.
Gaura Byrne (Consultant)	Studies Coordinator SREIS Author	BEng (Civil and Environmental Mgmt) (Hons). 2 years experience.
Marlise Geisseler (Consultant)	Studies Coordinator SREIS Author	BSc (Ecology and Biodiversity). 2 years experience.
Tania Kenyon (Consultant)	Studies Coordinator SREIS Author	BSc (Ecology and Zoology) (Hons). 1 year experience.
Julie Pearce (Consultant)	SREIS Author	BEnvSc (Wildlife Conservation and Biology), DipNRMgmt. 2 years experience.
Erinn Kelly (Consultant)	Studies Coordinator SREIS Author	BEnvPolMgmt (Geographic and Environmental) (Hons). 2 years experience.
Chapal Choudry (Associate)	GIS Support.	MSc (Software Engineering). 21 years experience.
Helen Unkovich (Senior Consultant)	GIS Support.	BSc (Psychology). 7 years experience.
Gareth Lewis (Senior Consultant)	GIS/Drafting Support.	BA (Graphic Design) (Hons). 6 years experience.
Penny Flannigan (Senior Consultant)	GIS Support.	BA (Human Geography) (Hons); Grad Cert (GIS and Remote Sensing); MA (Environment). 7 years experience.

Table 25.2 Coffey Environments SREIS project team (cont'd)

Team Member	Project Role	Qualifications and Years of Experience
Hanna Blaszkiewicz (Senior Consultant)	Graphic Designer	MEng (Civil). 36 years experience
Vanessa Saywell (Consultant)	GIS Support.	BA (Graphic Design). 3 years experience.
Felicity Thompson (Graphic Designer)	GIS/Drafting Support.	BA Visual Arts (Photography and Design). 11 years experience.
Douglas Howard (Workplace Health & Safety Consultant)	HSSE Supervisor	DipOH&S/Proj Mgmt, Cert IV OH&S. 4 years experience
Liz Jacobsen (Technical Editor)	Technical Editing.	AssocDeg SocSc. 30 years experience.
Jill O'Neil (Finishing Editor)	Formatting.	25 years experience.
Andrew Flint (Project Assistant Manager)	Project Coordinator	B Construction Mgmt (Building) (Hons). 3 years experience.
Dean Jones (Project Management Assistant)	Administrative Support/Formatting.	2 years experience.

25.3 SREIS Technical Specialists

A number of technical specialist consultancies were engaged by Coffey Environments to complete detailed assessments for disciplines covered by the Supplementary Report to the EIS. These organisations and individuals are shown in Table 25.3.

Table 25.3 Supplementary environmental impact assessment technical specialists

Discipline	Company	Team Member	Qualifications and Years of Experience
Consultation	JTA	Jan Taylor	BA (Economics & Government), LLB. 20 years experience.
		Melissa Salisbury	B Beh Sci (Psychology), MSPD. 5 years experience.
Air Quality Assessment	Pacific Environment Limited	Chaim Kolominkas	MEnvMgmtPol, BEng (Environmental) (Hons). 10 years experience.
		Robin Ormerod	BSc (Climatology) (Hons). 30 years experience.
		Mitchell Kelly	BEng (Chemical) (Hons). 5 years experience.
		Li Fitzmaurice	PhD (Atmospheric Science), MSc (Atmospheric Science), BSc (Atmospheric Science). 10 years experience.

**Table 25.3 Supplementary environmental impact assessment technical specialists
(cont'd)**

Discipline	Company	Team Member	Qualifications and Years of Experience
Greenhouse Gas Assessment and Climate Change	Pacific Environment Limited	Chaim Kolominskis	BEng (Environment) (Hons), MEnv Mgmt Pol. 10 years experience.
		Mitchell Kelly	BEng (Chemical) (Hons). 5 years experience.
		Sarah Colson	BEng (Chemical) (Hons). 3 years experience.
Groundwater Assessment	Coffey Environments	Michael Blackam	BAppSc (Environmental and Exploration Geology) (Hons FC) (Hydrogeology). 16 years experience.
		Ben Petrides	BSc (Geology and Chemistry) (Hons Hydrogeology), PhD (Hydrogeology). 10 years experience.
		Brigid Moriarty	BEng and BSc (Environmental). 8 years experience.
Surface Water Assessment	Alluvium	Rohan Lucas	BEng (Environmental) (Hons), BSc (Earth Sciences). 16 years experience.
		Jason Carter	BA (Environmental Studies) (Hons). 24 years experience.
		Ross Hardie	MA (Natural Resources), BEng (Civil). 25 years experience.
		Brett Twycross	Grad Cert of Technology Mgmt, BMechEng. 10 years experience.
		Selene Conn	MSc (Geography), BSc (Biology and Geography) (Hons). 3 years experience.
		Tyson Smalley	BAppSc (Natural Resource Mgmt) (Hons). 13 years experience.
	NRA Environmental Consultants	Martine Adriaansen	BAppSc (Ecology, Env Science) (Hons). 10 years experience.
		Tim Anderson	MAGSc (Mine Rehabilitation) (Research), BAgSc (Land Resources Mgmt) (Hons). 26 years experience.
		Genevieve Olle	Grad Cert of Environmental Mgmt, BEnvSc. 4 years experience.
		Paul Godfrey	PhD, BSc (Hons), Freshwater Ecology. 14 years experience.

**Table 25.3 Supplementary environmental impact assessment technical specialists
(cont'd)**

Discipline	Company	Team Member	Qualifications and Years of Experience
Aquatic Ecology Assessment	AMEC Environment and Infrastructure Pty Ltd	Mark Davey	PhD (Coral Reef Ecology), Grad Cert of Marine Science, BAppSc (Aquatic Science). 15 years experience.
		Richard Floyd	BSc. Grad Dip Nat Res (Ecosystem Mgmt). 17 years experience.
		Timothy Howell	PhD (Aquatic Science) (Research), BSc (Aquatic Science). 10 years experience.
		Camille Percival	BSc (Environmental Mgmt, Sustainable Development) MSc (Water resources) - in progress. 2 years experience.
		Cameron Foord	BSc (Ecology & Conservation). 9 years experience
		Greg Vinall	PhD (Aquatic Science) (Research), BSc (Chemistry and Aquatic Ecology) (Hons). 20 years experience.
		Sussan Lemon	BMarine Studies (Biology and Ecology) (Hons). 2 years experience.
Economics Assessment	AEC Group Ltd	Simon Smith	MBA, BEcon (Hons), BSc (computer science). 23 years experience.
		Ashley Page	BAgriEcon (Hons). 13 years experience.
		Keiron Lacey	BSc (Biochemistry), MBusEcon. 8 years experience.
		Peter Johnson	PhD (Economics), BEng (Chem) (Hons), BEc (Hons). 11 years experience.
Terrestrial Ecology Assessment	3D Environmental	David Stanton	BSc (Geology) (Hons). 18 years experience.
		David Fell	Assoc Dip of Applied Science. 25 years experience.
		David Gooding	Assoc Dip of Cartography. 25 years experience.
	Vegetation Management Science Pty Ltd	Paul Richard Williams	PhD (Vegetation Ecology). 17 years experience.
	Ecosmart Consulting	Edward Arjan Meyer	PhD (Zoology), BSc (Zoology) (Hons). 16 years experience.
	Reis Ecology & Interpretive Services	Terry Reis	BSc (Australian Environmental Studies) (Hons). 15 years experience.

**Table 25.3 Supplementary environmental impact assessment technical specialists
(cont'd)**

Discipline	Company	Team Member	Qualifications and Years of Experience
Terrestrial Ecology Assessment (cont'd)	EcoSmart Ecology	Angus McNab	BSc (Zoology). 6 years experience.
		Mark Sanders	BAdvSc (Zoology) (Hons). 12 years experience.
		Nicholas Kilvert	BAppSc (Ecology) (Hons), BSc (Environmental Science and Ecology), BA (Journalism and Contemporary Studies). 4 years experience.
Traffic and Transport Assessment	Cardno (Qld) Pty Ltd	Shane Healey	BEng (Civil). 19 years experience.
		Jeffrey Baczynski	BEng, BComm. 8 years experience.
		Jessica Peters	BEng (Civil) (Hons). 3 years experience.
		Damien Scutt	BEng (Civil). 5 years experience.
		Paul Hutcher	BAppSc (Mathematics). 30 years experience.
Preliminary Hazard and Risk Assessment	Planager	Karin Nilsson	BEng (Chemical Engineering). 20 years experience.
		Ros Bongiorno	15 years experience.
Noise and Vibration Assessment	Sonus	Chris Turnbull	MEngSc, BE (Mech) (Hons), MAAS. 22 years experience.
		Jason Turner	BEng (Mech) (Hons), MAAS. 16 years experience.
		Mathew Ward	BEng (Mech) (Hons). 5 years experience.
		Mathew Ward	BEng (Mech) (Hons). 5 years experience.
Social Assessment and Social Impact Management Plan Update	SKM	Owen Boushel	BA (Sociology), MASR. 7 years experience.
		Nicole Sommerville	BPlan (Hons), AscDip of Built Environment (Architecture), GradCert in Legal Studies. 17 years experience.
		Jillian Ash	MDevPrac (Social Planning), BSc (Env Planning). 2 years experience.