



NPE

NATIONAL PUMP & ENERGY



Ready For Rent

PUMPS, POWER & COMPRESSED AIR **SOLUTIONS**



Rental Sales Service

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LEADERS IN THE DELIVERY OF
**PUMP, GENERATOR & COMPRESSOR
RENTAL SOLUTIONS,**
WITH A FOCUS ON THE **BEST EQUIPMENT**
BACKED BY INDUSTRY LEADING **EXPERTS.**

National Pump & Energy (NPE) has built a reputation based on performance and service excellence with an unwavering commitment to customer service, safety standards and complete dedication to delivering effective solutions.

**‘YOUR TOTAL SOLUTIONS
PARTNER FOR PUMPING
& POWER GENERATION’**

NPE has the capability to provide a rapid service nationally for pump, generator and compressor equipment hire, sales and maintenance for mining, construction, oil & gas, municipal and infrastructure projects.

With operations located Australia-wide, an experienced and professional team of over 250 staff and a fleet of thousands of pieces of equipment, we have the resources to deliver trusted solutions for our clients.

HEALTH, SAFETY & ENVIRONMENT

NPE’s safety system is accredited to AS/NZS 4801, and ensures that we operate in line with worldwide best practises.

Our employees are committed to achieving the highest possible level of safety in the workplace.

NPE has a dedicated safety team to ensure that we meet the formal requirements of AS/NZS 4801 each and every day.

- ✓ Adhering to client and legislative requirements
- ✓ Conducting internal audits and inspections
- ✓ Hazard identification and management
- ✓ Formal investigation of any incidents
- ✓ Formal induction and assessment of staff and contractors
- ✓ Formal reporting to the board of directors
- ✓ SGS & Achilles FPS Auditing



» SERVICES

Our dedicated and experienced team can assist you with all aspects of your pumping or power requirements.

From site inspection and system design, right through to installation, commissioning and maintenance.

National Pump & Energy have the experience, capacity and most importantly, commitment, to assist you with your project anywhere in Australia.



WHAT WE DO

- ✓ Short & long term equipment rental
- ✓ Installation, commissioning & operation
- ✓ Equipment sales
- ✓ Maintenance & servicing
- ✓ Site assessment & system design
- ✓ Ongoing assessment of project requirements

HOW WE DO IT

- ✓ Comprehensive pre-hire inspection and maintenance
- ✓ 24/7 responsive field service
- ✓ Complete spare parts
- ✓ Qualified & experienced tradesmen.

WHERE WE DO IT

- ✓ Australia-wide branch network
- ✓ In-house & sub-contracted logistics networks
- ✓ Fully equipped specialist workshops

WHY CHOOSE NATIONAL PUMP & ENERGY?

The key difference is that we offer tailored solutions and service, not just a piece of equipment.

Our industry leading team of skilled pump and power professionals will work to ensure you get right equipment for the job.

The detailed pre-hire inspection & assessment will ensure that the designed solution will work and therefore reducing potential delays and bottom line impacts.

“NPE was the only company we could find with both the plant and technical aptitude to provide the well-engineered solution we were provided with”

Fitzroy River Water - Rockhampton Regional Council

PUMP RENTAL & SALES



GENERATOR RENTAL & SALES



COMPRESSOR RENTAL & SALES



WELLPOINT DEWATERING



MINE DEWATERING



WATER TREATMENT



HYDROMINING



HDPE PIPELINES



BORE FIELD SERVICES



BYPASS PUMPING



OIL & GAS SERVICES



ASSISTED EVAPORATION



EMERGENCY FLOOD RESPONSE



SYSTEM AUDITS & DESIGN





>>PUMPINGEQUIPMENT

NPE is a specialist Ready for Rent pumping equipment and solutions provider.

From pump hire and sales to full dewatering design, installation and management, NPE can do it all.

NPE has an extensive pump fleet and partnerships with leading suppliers and manufacturers, so we can guarantee accessibility of specialised equipment for any application.



Silenced Canopy Pumps

- Extensive range of silenced pumps from 6" - 12"
- Low noise output makes them perfect for residential areas
- Used for wellpointing, general sumping and bypass pumping
- NPE are BBA Pumps exclusive Australian distributor
- Remote start/stop & monitoring telemetry operations available



High Head & High Flow Pumps

- Up to 1750L/S & 470m head.
- Skid, trailer or pontoon mounted configurations
- Mine spec available
- Stainless steel wet ends available
- Remote start/stop & monitoring telemetry operations available



Submersible Pumps

- Up to 500L/s & 180m head
- Single or 3 phase options
- 415v or 1000v variations

Slurry Pumps

- Up to 500L/S & 187m head.
- Electric, hydraulic & diesel units
- Excavator mounted and agitator options



Booster Pumps

- Large Range of Variable Flows
- Large Range of Variable Pressures



Bore Pumps

- Large range of high flow and high head bore pumps,
- Complete package solutions, from installation to flow management to flow monitoring and pipeline to discharge points,
- Silent power packages also available
- Remote start stop operations available, i.e. to maintain water levels in tanks, dams etc.



Trailer Mounted Pumps

- Large range of pump sizes and capabilities
- High head and high flow units
- Mine spec available
- Open frame and canopy units
- Perfect for moving around site to use in various locations



Pontoon Mounted Pumps

- Various configurations and sizes
- Safety rails and walkways
- Inhouse design and fabrication to suit any requirement





» POWEREQUIPMENT

NPE generators and power solutions available for hire, purchase or design & installation.

Power generation solutions can be suited to your requirements, whether it be a small portable generator to power your tools and equipment, through to a complete continuous power solution for your site or event.

Our team of industry experts and technicians can help tailor a solution for your specific needs to ensure you have a suitable and reliable power solution.

FEATURES

6kVa - 1,250kVa units available
Single & three phase options
240v & 415v
50hz & 60hz
Trailer or skid mounted
Overload circuit breakers

Starter boards and cables also available.



» COMPRESSOREQUIPMENT

NPE maintains a range of high pressure and high volume compressors and associated equipment.

With compressors up to 1600cfm and operational pressures to 500psi we can assist with your compressed air needs.

Like all NPE equipment, all compressors are suited and designed for its intended purpose.



FEATURES

Full instrumentation
Safety shutdown system
Noise reduction system
Can be supplied with fully bunded fuel tanks.
Full range of coolers, dryers & filters



>>BYPASSPUMPING

NPE understand that temporary sewer and water bypass systems require the complete reliability of equipment and the people who operate it.

That's why councils and utilities across Australia rely on NPE for planned and unplanned sewer bypass work.

At NPE, we have the best specialist pump equipment for bypass works, including silenced diesel driven units and electric submersible pumps.

Our wealth of knowledge and experience combine to ensure the bypass system performs effectively and no service interruptions are experienced during the duration of the works.

EQUIPMENT + EXPERIENCE = EFFECTIVE SOLUTIONS



>>ASSISTEDEVAPORATION

Where restrictions on discharging water off site are a problem, assisted evaporation is a unique solution that can help.

These fully automatic water evaporation systems run by pre-programmed weather criteria, so there is no need for site personnel to operate the units.

From basic trial setups to large systems, our dedicated and experienced team will tailor a solution to your requirements.





»HYDROMINING

Hydromining offers a superior alternative to loading and hauling unwanted material.

The process involves the product being converted into slurry through application of high pressure water then pumped via a pipeline to the desired location.

Hydromining is a popular process because of its fast, safe and cost effective method of discharging unwanted materials.



THE PERFECT SOLUTION FOR

- Recovery of tailings
- Cleaning of process water ponds
- Thickener cleans
- Tank cleaning
- Sludge and slurry removal



»BOREPUMPING

National Pump & Energy (NPE) provide a complete range of bore pump hire equipment for turnkey borefield pumping, pipeline and monitoring services and capabilities.

We provide borefield services to Australia's mining, construction and agriculture industries. We have the people, products and expertise to deliver you solutions exceeding your expectations



PIPELINE CONSTRUCTION

Our HDPE (poly) pipe division specialises in the design, supply and installation of pipelines from 32mm up to 1000mm.

Our huge fleet of welding machines and associated equipment means we can do the job quickly and efficiently every time.

We also hire and sell a wide range of associated parts including: Pipe lengths, gaskets, flanges, bends, fittings and valves.



EQUIPMENT SELECTION

Choosing a pump, generator or compressor is not a straight forward decision. Many factors must be taken into consideration to achieve optimum effectiveness and efficiency. Using a dedicated pump or power expert is your best option.

An NPE equipment expert will help you choose the right equipment and ensure it will do the job you need it to do.

HAVE YOU CONSIDERED...

- How much power is required?
- How far does it need to be pumped?
- What flow rate is required?
- Will solids be pumped?
- How much fuel will it use?
- What is the total dynamic head?
- What is the water quality?
- Electric or diesel?
- Silenced or open frame?
- How will friction loss affect flow rate?
- Correct pipe size selection?

Static Head – The hydraulic pressure at a point in a fluid when the liquid is at rest.

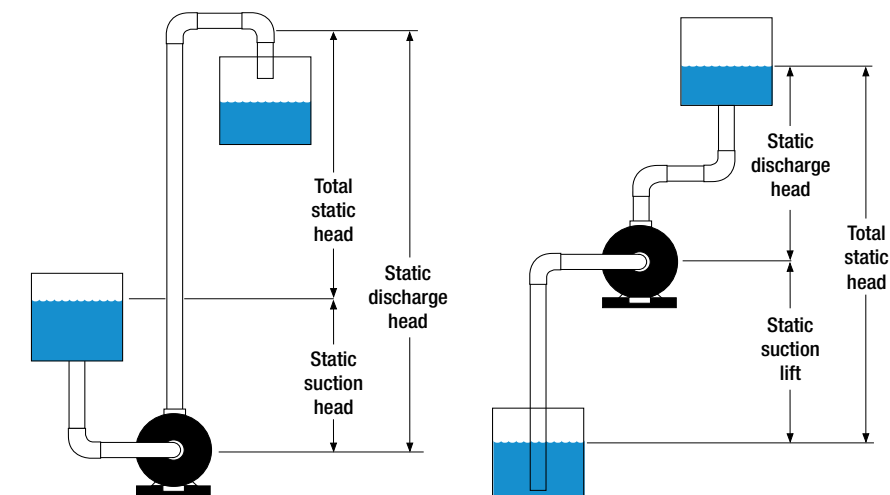
Friction Head – The loss in pressure or energy due to frictional losses in flow.

Discharge Head – The outlet pressure of a pump in operation.

Total Head – The total pressure difference between the inlet and outlet of a pump in operation.

Suction Head – The inlet pressure of a pump when above atmospheric pressure.

Suction Lift – The inlet pressure of a pump when below atmospheric pressure.





» PAST PROJECTS



» Bypass Pumping

Location: Rockhampton, Queensland
Solution: Water bypass system designed and supplied to service the Rockhampton region whilst pump station maintenance was being conducted.
Equipment: 8" Silenced pump packages, telemetry control, fuel cell, pipeline and hoses.



» Wellpoint Dewatering

Location: Brisbane, Queensland
Solution: Perimeter wellpoint dewatering system designed, supplied and installed to allow for basement excavation.
Equipment: BBA silent self priming pump packages, 100 x spear perimeter system, piping, hoses, valves and associated equipment.

» PAST PROJECTS



» Hydromining

Location: Kalgoorlie, Western Australia
Solution: Removal of tailings slimes from secondary settling dam. Design, complete product recovery, dam cleaning & reinstatement
Equipment: Remote controlled hydromining monitor, water winning pump system, booster pump, recovery pump, slurry pump and fuel cells.



» Bore Pumping

Location: Kalgoorlie, Western Australia
Solution: Supply complete fully automated, self managed mill water supply system.
Equipment: 20lt/sec @ 12bar vertical inline pump units, 80kva super silent generators, Flow meters, Pipeline, remote telemetry, floating pump stations & bulk fuel cells.



» Mine Dewatering

Location: Moranbah, Queensland
Solution: Construct fit for purpose system, in yard system testing, deliver, install, commission, operate and maintain.
Equipment: Fully automated 550hp diesel pumps, pontoon, remote telemetry, pipeline, hoses, flow meters & service vessel.



» Assisted Evaporation

Location: Bowen Basin, Queensland
Solution: Supply fully automated diesel powered evaporation system.
Equipment: Fully automated evaporators, 550 and 330kva super silenced generators, 75lt/sec pumps, starters, weather monitoring station, telemetry, pipeline and hoses.



» Power Generation

Location: Curtin Immigration Centre
Solution: To provide 2MW of power generation station for various facilities at the detention centre
Equipment: Various generator sets from 150kVA - 550kVA, bulk fuel cells, distribution boards, cabling and leads.



» Oil & Gas

Location: Offshore
Solution: Design, engineer, construct, certify and operate water winning and pigging pump package.
Equipment: Diesel driven suction lift pumps feeding 950hp diesel power units driving 4x high pressure multistage centrifugal pumps.







ONPE

NATIONAL PUMP & ENERGY
(ABN: 83 098 812 492)

READY FOR HIRE

Each piece of equipment has been cleaned, serviced and safety checked prior to despatch and is in good operating condition. Daily checks are the responsibility of the Hirer. Any breakdown should be reported to National Pump and Energy immediately by phoning the number on the reverse of this tag

Asset No. _____
Operator _____

2003
JARA
11/

PUMPS POWER & AIR SOLUTIONS



>>NPELOCATIONS

National Pump & Energy branch network is strategically positioned to service all parts of Australia. These hire branches are supported by a team of NPE representatives and field service crews so that every part of Australia has access to the best equipment and service, regardless of location.

HEAD OFFICE

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Birtinya QLD 4575
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