

Demand Response Initiative Request For Information

Disclaimer

Any information to be provided here is for ARENA and AEMO's information purposes only, and will be treated confidentially in accordance with ARENA's Advancing Renewables Program Guidelines, however some information may be publicly disclosed after it has been aggregated and anonymised.

ARENA and AEMO acknowledge that the information provided here will be indicative only; respondents to this RFI will not be held to any price or volume (MW) information provided.

If you do not respond to this RFI, you will still be able to apply for funding under this initiative.

* Please mark below to proceed.

I understand and agree

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Please tell us about yourself

First name

Surname

Organisation

Job title

State/Territory

Email

Contact number

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While it is important to have additional reserves available for summer 17/18, ARENA is interested in establishing what demand response could be available under different timeframes.

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Would you be able to deliver dispatchable demand response by **1 December 2017**?

- Yes
 No

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Please provide comments as to why you are unable to deliver dispatchable demand response by 1 December 2017:

Please let us know when you will be able to deliver dispatchable demand response. Select from dropdown (MM/YY)

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Approximately how much cumulative volume of dispatchable demand response would you have ready for dispatch by **December 2017***? If you cannot deliver any MW by this period, please enter '0'.

How many MW
excluding diesel
gensets

How many MW
with diesel
gensets

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Approximately how much cumulative volume of dispatchable demand response would you have ready for dispatch by **July 2018***? If you cannot deliver any MW by this period, please enter '0'.

How
many
MW
excluding
diesel
gensets

How
many
MW *with*
diesel
gensets

Approximately how much cumulative volume of dispatchable demand response would you have ready for dispatch by **December 2018***? If you cannot deliver any MW by this period, please enter '0'.

How
many
MW
excluding
diesel
gensets

How
many
MW *with*
diesel
gensets

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Product parameters

ARENA and AEMO are contemplating providing demand response product specification(s) for participants in the program to deliver. The next few questions ask about your preferences for particular product design features.

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What contract duration would you prefer?

Comments

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How much notification would you need or prefer before being dispatched?
Please note that shorter notification periods are more valuable for the market operator.

Seconds:

Minutes:

Hours:

Comments

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What is your preferred dispatch duration? Please state how many minutes / hours in the spaces below:

Min.

Max.

Comments

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What is the total number of dispatch events you would be willing to provide each year?

Comments

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What is your preferred dispatch availability?

- 24/7/365
- 24/7, summer only
- 7am-10pm weekdays
- 8am-8pm weekdays
- 12pm-8pm weekdays

Comments

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What would you be expect to pay as performance penalties if your resources didn't dispatch when requested? Complete only one option:

(\$/MWh of underperformance)

% (of the value of availability payments received)

Comments

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A baseline forms the basis for performance measurement. It determines the quantity of demand reduction achieved during the dispatch event.

A dynamic baseline usually incorporates measurement of a customer's energy demand across similar days, often with adjustments, resulting in an estimate that simulates the dynamic nature of the customer's demand curve.

A static baseline is an estimate usually representing average customer demand during an extended period (eg. a season), providing one demand estimate regardless of time of day, or day of the week.

What baseline would you prefer? Select one:

- Static baseline
- Dynamic baseline

Comments

Do you have any other suggestions for how the demand response program should be specified?

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What market segment or classification best matches your business?

- Direct user (Large customers)
- Demand response aggregator
- Energy retailer
- Network service provider
- Technology vendor
- Other (please specify)

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In which NEM region(s) would you be best placed to develop and deliver demand response capacity? Please enter '0' if you cannot deliver DR in a particular region.

| | |
|-----|----------------------|
| VIC | <input type="text"/> |
| SA | <input type="text"/> |
| NSW | <input type="text"/> |
| QLD | <input type="text"/> |
| TAS | <input type="text"/> |
| ACT | <input type="text"/> |

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What impact does varying the dispatch price (\$/MWh) have on your availability price (\$/MW)?

For a given **Dispatch Price**, please specify what your **Availability Price** would be:

| | |
|-------------------|----------------------|
| \$500 (\$/MWh) | <input type="text"/> |
| \$1,000 (\$/MWh) | <input type="text"/> |
| \$5,000 (\$/MWh) | <input type="text"/> |
| \$14,000 (\$/MWh) | <input type="text"/> |

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Please provide comments on the impact of a different dispatch price on volume (MW) of demand response available:

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Which customer segment would you expect to target at what percentage? (can add up to greater than 100%)

| | |
|---------------|----------------------|
| Industrial % | <input type="text"/> |
| Commercial % | <input type="text"/> |
| Residential % | <input type="text"/> |
| Other % | <input type="text"/> |

If 'Other', please specify:

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What technology mix would you use to provide demand response?

- Battery storage
- Smart thermostats
- Pool pumps
- HVAC
- Lighting
- Solar PV
- Industrial process
- Back-up generators
- Load shifting
- Load curtailment
- Other (please specify)

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What are the key data metrics and learning that would be generated by your project(s) to inform a future market design?

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Please provide any suggestions regarding assessment criteria ARENA should use as part of its funding round:

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Please provide any other comments or feedback that you consider relevant in informing ARENA's demand response initiative:

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Would you like to be kept informed about this initiative?

- Yes
- No

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