

## Regulatory Indicators for Sustainable Energy (RISE) 2016 Country Data - Iran, Islamic Rep.

### Energy Efficiency

Indicator	Score
National energy efficiency planning	75
Energy efficiency entities	85.71
Information provided to consumers about electricity usage	52.08
EE incentives from electricity rate structures	61.11
Incentives & mandates: large consumers	100
Incentives & mandates: public sector	75
Incentives & mandates: utilities	62.5
Financing mechanisms for energy efficiency	50
Minimum energy efficiency performance standards	66.67
Energy labeling systems	100
Building energy codes	30
Carbon Pricing	0
<b>Total</b>	<b>63.17</b>

### Renewable Energy

Indicator	Score
Legal framework for renewable energy	100
Planning for renewable energy expansion	39
Incentives and regulatory support for renewable energy	100
Attributes of financial and regulatory incentives	67
Network connection and pricing	58
Counterparty risk	49
Carbon pricing and monitoring	0
<b>Total</b>	<b>59</b>

## Regulatory Indicators for Sustainable Energy (RISE)

**Overall Score**

40.72

### Energy Efficiency

National energy efficiency planning	Score	75
Is there legislation or a national action plan that aims to increase EE?		Yes
Name of EE legislation or action plan		0
Is there an energy efficiency goal or target at the national level?		Yes
National target details		N/A
Is there a target for the residential sector?		No
Target details		0
Does the target have a milestone or deadline?		No
Is there a commercial services sector target?		No
Target details		0
Does the target have a milestone or deadline?		No
Is there an industrial sector target?		No
Target details		0
Does the target have a milestone or deadline?		No
Is there a power sector target?		Yes
Target details		0
Does the target have a milestone or deadline?		Yes

## Regulatory Indicators for Sustainable Energy (RISE)

Energy efficiency entities	Score	85.71
Are there governmental and/or independent bodies dedicated to setting EE strategy?		Yes
Name of entity		Supreme Council of Energy
Are there governmental and/or independent bodies dedicated to setting EE standards?		Yes
Name of entity		Iranian national Standards Organization
Are there governmental and/or independent bodies dedicated to regulating EE activities of energy suppliers?		Yes
Name of entity		0
Are there governmental and/or independent bodies dedicated to regulating EE activities of energy consumers?		Yes
Name of entity		0
Are there governmental and/or independent bodies dedicated to certifying compliance with equipment EE standards?		Yes
Name of entity		Iranian national Standards Organization
Are there governmental and/or independent bodies dedicated to certifying compliance with building EE standards?		Yes
Name of entity		Iran construction engineering organization (IRCEO)
Are there governmental and/or independent bodies dedicated to selecting and/or approving third party auditors tasked with certifying EE standards?		No
Name of entity		Iranian national Standards Organization

## Regulatory Indicators for Sustainable Energy (RISE)

Information provided to consumers about electricity usage	Score	52.08
Residential customers		
Is it mandatory for utilities to provide reports of their energy usage, in a bill or by other means?		Yes
Commercial customers		
Is it mandatory for utilities to provide reports of their energy usage, in a bill or by other means?		Yes
Industrial customers		
Is it mandatory for utilities to provide reports of their energy usage, in a bill or by other means?		Yes
Residential customers		
At what intervals do customers receive these reports (times per year)?		6
Do the reports include the price levels customers pay for energy usage?		Yes
Commercial customers		
At what intervals do customers receive these reports (times per year)?		6
Do the reports include the price levels customers pay for energy usage?		Yes
Industrial customers		
At what intervals do customers receive these reports (times per year)?		6
Do the reports include the price levels customers pay for energy usage?		Yes

## Regulatory Indicators for Sustainable Energy (RISE)

Does the regulator track utilities' compliance with laws for providing energy usage information to customers?	No
Residential customers	
Do customers receive a bill or report which compares them to other users in the same region and/or usage class?	No
Method of comparison	N/A
Commercial customers	
Do customers receive a bill or report which compares them to other users in the same region and/or usage class?	No
Method of comparison	N/A
Industrial customers	
Do customers receive a bill or report which compares them to other users in the same region and/or usage class?	No
Method of comparison	N/A
Residential customers	
Do customers receive a bill or report that shows their energy usage compared to previous bills or reports over time?	Yes
Commercial customers	
Do customers receive a bill or report that shows their energy usage compared to previous bills or reports over time?	Yes
Industrial customers	
Do customers receive a bill or report that shows their energy usage compared to previous bills or reports over time?	Yes
All customers	

## Regulatory Indicators for Sustainable Energy (RISE)

Can customers access real time feedback on energy usage (for either prepaid or post-paid systems)?	No
Do customers have the ability to manage energy usage levels remotely (through apps or other technology mediums that can track real time usage)?	No

<b>EE incentives from electricity rate structures</b>	<b>Score</b>	<b>61.11</b>
Residential customers		
Are customers charged a flat fee (per connection)?	No	
Are customers charged constant block rates?	No	
Are customers charged declining block rates?	Yes	
Are customers charged increasing block rates?	Yes	
Commercial customers		
Are customers charged a flat fee (per connection)?	No	
Are customers charged constant block rates?	No	
Are customers charged declining block rates?	No	
Are customers charged increasing block rates?	No	
Industrial customers		
Are customers charged a flat fee (per connection)?	No	
Are customers charged constant block rates?	No	
Are customers charged declining block rates?	No	
Are customers charged increasing block rates?	No	

## Regulatory Indicators for Sustainable Energy (RISE)

Residential customers	
Do customers pay energy charges (per kWh)?	Yes
Do customers pay demand charges (per kW)?	No
Do customers pay reactive power charges (per kVAR)?	No
Commercial customers	
Do customers pay energy charges (per kWh)?	Yes
Do customers pay demand charges (per kW)?	No
Do customers pay reactive power charges (per kVAR)?	No
Industrial customers	
Do customers pay energy charges (per kWh)?	No
Do customers pay demand charges (per kW)?	Yes
Do customers pay reactive power charges (per kVAR)?	Yes
Residential customers	
Are customers charged based on real-time pricing?	No
Are customers charged based on variable peak pricing?	No
Are customers charged based on critical peak pricing?	No
Are tariffs adjusted according to seasons?	Yes
Do customers pay according to time-of-day electricity use or receive peak-time rebates?	Yes
Commercial customers	

## Regulatory Indicators for Sustainable Energy (RISE)

Are customers charged based on real-time pricing?	No
Are customers charged based on variable peak pricing?	No
Are customers charged based on critical peak pricing?	No
Are tariffs adjusted according to seasons?	Yes
Do customers pay according to time-of-day electricity use or receive peak-time rebates?	Yes
Industrial customers	
Are customers charged based on real-time pricing?	No
Are customers charged based on variable peak pricing?	No
Are customers charged based on critical peak pricing?	No
Are tariffs adjusted according to seasons?	Yes
Do customers pay according to time-of-day electricity use or receive peak-time rebates?	Yes

Incentives & mandates: large consumers	Score	100
What is the threshold for classifying large consumers?		They are consuming more than 5 million Cubic meter of gas or more than 1 Gigawh electricity per year.
Large consumer EE mandate/incentive regulations		
Is it required for the consumption and/or savings of large-scale energy users to be tracked and documented on a regular basis?		Yes
Are efficiency targets mandated for large consumers?		No



## Regulatory Indicators for Sustainable Energy (RISE)

Details	0
Are energy audits mandated for large consumers?	No
Are energy efficiency progress reports mandated for large consumers?	No
Interval of reports	0
Are energy-management systems mandated for large consumers?	No
Details	0
Are there penalties in place for non-compliance with regulatory obligations for large consumers?	Yes
Is there a measurement and verification program in place?	Yes
Is verification done by a third party?	No
Are there financial incentives for large consumers to invest in energy efficiency?	Yes
Details	soft loans
Are there tax incentives for large consumers to invest in energy efficiency?	No
Are there other incentives for large consumers to invest in energy efficiency?	Yes
Details	The penalty is that they have to pay higher price for the energy (20% more than normal tariffs).
Is there a program to publicly recognize large-scale users that have achieved significant energy savings measures?	Yes
Are energy savings and/or financial savings publicized?	Yes

## Regulatory Indicators for Sustainable Energy (RISE)

Does the program offer assistance (from a government or independent entity) to large-scale users to identify energy savings investments opportunities?	Yes
Primary Energy Consumption (MJ - latest GTF data from 2012)	9193815.56

<b>Incentives &amp; mandates: public sector</b>	<b>Score</b>	<b>75</b>
Are there binding energy savings obligations for public buildings?	Yes	
Are energy savings from efficiency activities at public buildings tracked (either in-house or by a third party)?	Yes	
Are there binding energy savings obligations for other public facilities (may include water supply, wastewater services, municipal solid waste, street lighting, transportation, and heat supply)?	Yes	
Are energy savings from efficiency activities at other public facilities tracked?	Yes	
Is there a specific policy or mandated guidelines for public procurement of energy-efficient products and services?	Yes	
Public procurement guidelines for EE		
Do public budgeting regulations and practices allow public entities to retain energy savings?	No	
Public budgeting regulations for EE		

<b>Incentives &amp; mandates: utilities</b>	<b>Score</b>	<b>62.5</b>
Name of utility energy efficiency regulation program		
Electricity generation		

## Regulatory Indicators for Sustainable Energy (RISE)

Are utilities required to carry out energy efficiency activities in this area?	Yes
Details	<p>Each year, the efficiency of power plants must, at least, increase 1%, and meet the 45% level at the end of 5th 5 years development plan. Besides, Production, distribution and transmission network losses must decrease to 14% till 215 (end year of the 5th 5 years development plan)</p>
Are energy savings or other target indicators measured to track performance in meeting EE requirements?	No
Are the requirements measured/validated by an independent third party?	No
Are there penalties in place for non-compliance with EE requirements?	No
Are there mandates or incentives for new and/or brownfield co-generation?	No
Transmission & distribution	
Are utilities required to carry out energy efficiency activities in this area?	Yes
Details	<p>each year, the efficiency of power plants must, at least, increase 1%, and meet the 45% level at the end of 5th 5 years development plan. Besides, Production, distribution and transmission network losses must decrease to 14% till 215 (end year of</p>

## Regulatory Indicators for Sustainable Energy (RISE)

	the 5th 5 years development plan).
Are energy savings or other target indicators measured to track performance in meeting EE requirements?	No
Are the requirements measured/validated by an independent third party?	No
Are there penalties in place for non-compliance with EE requirements?	No
Demand-side management -	
Are utilities required to carry out energy efficiency activities in this area?	Yes
Details	0
Are energy savings or other target indicators measured to track performance in meeting EE requirements?	No
Are the requirements measured/validated by an independent third party?	No
Are there penalties in place for non-compliance with EE requirements?	No
Is there a demand-side management department within the selected utility?	Yes
Do utilities provide customers incentives for demand response, such as peak-time rebates?	Yes
Is there public budget funding available for utilities to recover costs associated with or revenue lost from mandated energy efficiency activities?	Yes
Is there compensation for revenue losses via a tracking account available for utilities to recover costs associated with or revenue lost from mandated energy efficiency activities?	No

## Regulatory Indicators for Sustainable Energy (RISE)

Are these available as solely market-driven financing mechanisms without any direct government approval, subsidy, authorization or other mediation procedure?	No
Are these available as government-driven financing mechanisms?	No
Are there credit lines available for utilities to recover costs associated with or revenue lost from mandated energy efficiency activities?	No
Are these available as solely market-driven financing mechanisms without any direct government approval, subsidy, authorization or other mediation procedure?	No
Are these available as government-driven financing mechanisms?	No
Are there partial risk guarantees available for utilities to recover costs associated with or revenue lost from mandated energy efficiency activities?	No
Are these available as solely market-driven financing mechanisms without any direct government approval, subsidy, authorization or other mediation procedure?	No
Are these available as government-driven financing mechanisms?	No
Is there program cost recovery available for utilities to recover costs associated with or revenue lost from mandated energy efficiency activities?	No
Are these available as solely market-driven financing mechanisms without any direct government approval, subsidy, authorization or other mediation procedure?	No
Are these available as government-driven financing mechanisms?	No
Is there ESCO financing available for utilities to recover costs associated with or revenue lost from mandated energy efficiency activities?	Yes

## Regulatory Indicators for Sustainable Energy (RISE)

Are these available as solely market-driven financing mechanisms without any direct government approval, subsidy, authorization or other mediation procedure?	No
Are these available as government-driven financing mechanisms?	Yes
Is there on-bill financing/re-payment available for utilities to recover costs associated with or revenue lost from mandated energy efficiency activities?	No
Are these available as solely market-driven financing mechanisms without any direct government approval, subsidy, authorization or other mediation procedure?	No
Are these available as government-driven financing mechanisms?	No
Are there any other financing mechanisms available for utilities to recover costs associated with or revenue lost from mandated energy efficiency activities?	soft loans; <a href="http://rc.majlis.ir/fa/law/show/929088">http://rc.majlis.ir/fa/law/show/929088</a>
Are these available as solely market-driven financing mechanisms without any direct government approval, subsidy, authorization or other mediation procedure?	No
Are these available as government-driven financing mechanisms?	Yes

Financing mechanisms for energy efficiency	Score	50
Residential sector		
Are there tax incentives available for energy efficiency investments?	No	
Are there discounted "green" mortgages available for energy efficiency investments?	No	
Is on-bill financing/re-payment available for energy efficiency investments?	No	

## Regulatory Indicators for Sustainable Energy (RISE)

Are credit lines available for energy efficiency investments?	No
Are energy services agreements or ESCOs available for energy efficiency investments?	No
Are green bonds available for energy efficiency investments?	No
Is vendor credit and/or leasing available for energy efficiency investments?	No
Are partial risk guarantees available for energy efficiency investments?	No
Are there any other financing mechanisms available for energy efficiency investments?	Yes
Are these available as solely market-driven financing mechanisms without any direct government approval, subsidy, authorization or other mediation procedure?	No
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## Regulatory Indicators for Sustainable Energy (RISE)

Are these available as solely market-driven financing mechanisms without any direct government approval, subsidy, authorization or other mediation procedure?	No
Are these available as government-driven financing mechanisms?	No
Details	soft loans
Are these available as solely market-driven financing mechanisms without any direct government approval, subsidy, authorization or other mediation procedure?	No
Are these available as government-driven financing mechanisms?	Yes
Commercial services sector	
Are there tax incentives available for energy efficiency investments?	No
Are there discounted "green" mortgages available for energy efficiency investments?	No
Is on-bill financing/re-payment available for energy efficiency investments?	No
Are credit lines available for energy efficiency investments?	No
Are energy services agreements or ESCOs available for energy efficiency investments?	No
Are green bonds available for energy efficiency investments?	No
Is vendor credit and/or leasing available for energy efficiency investments?	No
Are partial risk guarantees available for energy efficiency investments?	No
Are there any other financing mechanisms available for energy efficiency investments?	Yes



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Are these available as government-driven financing mechanisms?	No
Details	soft loans
Are these available as solely market-driven financing mechanisms without any direct government approval, subsidy, authorization or other mediation procedure?	No
Are these available as government-driven financing mechanisms?	Yes
Industrial sector	
Are there tax incentives available for energy efficiency investments?	No
Are there discounted "green" mortgages available for energy efficiency investments?	No
Is on-bill financing/re-payment available for energy efficiency investments?	No
Are credit lines available for energy efficiency investments?	No
Are energy services agreements or ESCOs available for energy efficiency investments?	No
Are green bonds available for energy efficiency investments?	No
Is vendor credit and/or leasing available for energy efficiency investments?	No
Are partial risk guarantees available for energy efficiency investments?	No
Are there any other financing mechanisms available for energy efficiency investments?	Yes

## Regulatory Indicators for Sustainable Energy (RISE)

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## Regulatory Indicators for Sustainable Energy (RISE)

Are these available as solely market-driven financing mechanisms without any direct government approval, subsidy, authorization or other mediation procedure?	No
Are these available as government-driven financing mechanisms?	No
Details	soft loans
Are these available as solely market-driven financing mechanisms without any direct government approval, subsidy, authorization or other mediation procedure?	No
Are these available as government-driven financing mechanisms?	Yes

<b>Minimum energy efficiency performance standards</b>	<b>Score</b>	<b>66.67</b>
EE standards regulations		
Refrigerators		
Have minimum energy performance standards been adopted?	Yes	
Details of standards	0	
Is there a verification program in place?	Yes	
Is it carried out by a third party?	No	
Is there a penalty for non-compliance with energy efficiency standards?	No	
Are the standards based on external/international standards?	Yes	
Air conditioners		
Have minimum energy performance standards been adopted?	Yes	

## Regulatory Indicators for Sustainable Energy (RISE)

Details of standards	0
Is there a verification program in place?	Yes
Is it carried out by a third party?	No
Is there a penalty for non-compliance with energy efficiency standards?	No
Are the standards based on external/international standards?	Yes
Lighting equipment	
Have minimum energy performance standards been adopted?	Yes
Details of standards	0
Is there a verification program in place?	Yes
Is it carried out by a third party?	No
Is there a penalty for non-compliance with energy efficiency standards?	No
Are the standards based on external/international standards?	Yes
Industrial electric motors	
Have minimum energy performance standards been adopted?	Yes
Details of standards	0
Is there a verification program in place?	Yes
Is it carried out by a third party?	No
Is there a penalty for non-compliance with energy efficiency standards?	No
Are the standards based on external/international standards?	Yes

## Regulatory Indicators for Sustainable Energy (RISE)

Other industrial equipment	
Have minimum energy performance standards been adopted?	Yes
Details of standards	0
Is there a verification program in place?	Yes
Is it carried out by a third party?	No
Is there a penalty for non-compliance with energy efficiency standards?	No
Are the standards based on external/international standards?	Yes
Light duty vehicles	
Have minimum energy performance standards been adopted?	Yes
Details of standards	0
Is there a verification program in place?	Yes
Is it carried out by a third party?	No
Is there a penalty for non-compliance with energy efficiency standards?	No
Are the standards based on external/international standards?	Yes
Heavy duty vehicles	
Have minimum energy performance standards been adopted?	Yes
Details of standards	0
Is there a verification program in place?	Yes
Is it carried out by a third party?	No

## Regulatory Indicators for Sustainable Energy (RISE)

Is there a penalty for non-compliance with energy efficiency standards?	No
Are the standards based on external/international standards?	Yes

<b>Energy labeling systems</b>	<b>Score</b>	<b>100</b>
Refrigerators		
Have energy efficiency labeling schemes been adopted?	Yes	
Is the labeling scheme mandatory?	Yes	
Is the labeling scheme based on external/international standards?	Yes	
Air conditioners		
Have energy efficiency labeling schemes been adopted?	Yes	
Is the labeling scheme mandatory?	Yes	
Is the labeling scheme based on external/international standards?	Yes	
Lighting equipment		
Have energy efficiency labeling schemes been adopted?	Yes	
Is the labeling scheme mandatory?	Yes	
Is the labeling scheme based on external/international standards?	Yes	
Industrial electric motors		
Have energy efficiency labeling schemes been adopted?	Yes	

## Regulatory Indicators for Sustainable Energy (RISE)

Is the labeling scheme mandatory?	Yes
Is the labeling scheme based on external/international standards?	Yes
Other industrial equipment	
Have energy efficiency labeling schemes been adopted?	Yes
Is the labeling scheme mandatory?	Yes
Is the labeling scheme based on external/international standards?	Yes
Light duty vehicles	
Have energy efficiency labeling schemes been adopted?	Yes
Is the labeling scheme mandatory?	Yes
Is the labeling scheme based on external/international standards?	Yes
Heavy duty vehicles	
Have energy efficiency labeling schemes been adopted?	No
Is the labeling scheme mandatory?	No
Is the labeling scheme based on external/international standards?	No

<b>Building energy codes</b>	<b>Score</b>	<b>30</b>
Are there energy efficiency codes for new residential buildings?	Yes	
Are there energy efficiency codes for new commercial buildings?	Yes	



## Regulatory Indicators for Sustainable Energy (RISE)

Is the energy efficiency code for new residential buildings its own stand-alone, separate code or part of the overall building code?	Yes
Is the energy efficiency code for new commercial buildings its own stand-alone, separate code or part of the overall building code?	Yes
Is there any provision for regular updates to the code for new residential buildings?	No
Is there any provision for regular updates to the code for new commercial buildings?	No
EE building code regulations	
When was the code last updated for residential buildings?	2002
When was the code last updated for commercial buildings?	2002
Is there a system to ensure compliance with building energy efficiency codes?	Yes
Is it carried out by a third party?	No
Are renovated residential buildings required to meet a building energy code?	No
Are renovated commercial buildings required to meet a building energy code?	No
Is the energy efficiency code for renovated residential buildings different from the code for new buildings?	No
Is the energy efficiency code for renovated commercial buildings different from the code for new buildings?	No
Is the energy efficiency code for renovated residential buildings its own stand-alone, separate code or part of the overall building code?	No
Is the energy efficiency code for renovated commercial buildings its own stand-alone, separate code or part of the overall building	No

## Regulatory Indicators for Sustainable Energy (RISE)

code?	
Is there any provision for regular updates to the code for renovated residential buildings?	No
Is there any provision for regular updates to the code for renovated commercial buildings?	No
Is there a mandatory standardized rating or labeling system for the energy performance of existing buildings?	No
Is the labeling scheme or rating adopted from external standards?	Yes
Are commercial and residential buildings required to disclose property energy usage at the point of sale or when leased?	No
Are large commercial and residential buildings required to disclose property energy usage annually?	No
Are there mandates or targets for new building stocks to achieve high quality energy efficiency certifications, such as LEED (Leadership in Energy & Environmental Design) (e.g. percentage of new building stocks that must be LEED certified)?	No
Details	0
LEED incentives	No
Local program details	0

<b>Carbon Pricing</b>	<b>Score</b>
Is there a carbon pricing mechanism in place?	No
For any carbon pricing mechanism (e.g. carbon tax, emission trading system), what is the portion of national GHG emissions covered?	0
Is there a monitoring, reporting and verification system for greenhouse gas emissions in place?	No

## Regulatory Indicators for Sustainable Energy (RISE)

### Renewable Energy

Legal framework for renewable energy	Score	100
Does a legal framework for renewable energy development exist?		Yes
Name of the Law		The bill for 6th 5 years development plan is in under consideration in parliament. It is supposed to announce as a law in the late 2015 or early 2016. It is mentioned in the bill that at the end year of the 6th development plan (2020) 4200 MW of RE technologies should be installed. General policies can be find in the link given in column G. In energy and environmental section of the bill; It addresses a broad range of energy and environmental issues but it contains an article for REs.
Is private sector ownership of renewable energy generation legally authorized?		Yes

Planning for renewable energy expansion	Score	39
Does an official renewable energy target exist?		Yes
Overall target		5000 MW capacity- until the year 2025, 10 % of the country's electricity production (the installed capacity of wind and solar plants will be 12000 MW).

## Regulatory Indicators for Sustainable Energy (RISE)

Solar target	soal and wind 5000 MW-12000 MW
Wind target	soal and wind 5000 MW-12000 MW
Hydro target	
Biomass target	
Geothermal target	
Does a renewable energy action plan or strategy to attain the target exist?	Yes
Name of the action plan	0
Does the plan or startegy define the amount of investment necessary to meet the RE target?	No
The amount of investment identified	0
Is there an institution responsible for tracking progress in renewable energy development?	Yes
Name of the institution	0
Does an electricity generation plan that includes renewable energy development exist?	Yes
Name of the generation plan	0
Is the expansion plan based on a probabilistic approach?	No
Does the current transmission planning consider renewable energy scale-up?	No
Name of the transmission plan	0
Has the country conducted a variable renewable energy integration study?	No

## Regulatory Indicators for Sustainable Energy (RISE)

Name of the integration study	0
Year of the integration study	
Does the country have sufficient resource abundance to warrant a solar resource atlas?	Yes
Does the government publish or endorse a solar resource atlas or other data on the abundance and quality of the resource?	Yes
Solar atlas is validated by at least 5 ground-based measurements taken for a period of at least a year;	No
Solar atlas has a spatial resolution of 5km or less;	No
Solar atlas is based on modeling inputs covering at least a 10 year period;	No
Solar atlas is accompanied by an explanation of the methodology and instrumentation	No
Has the country carried out strategic planning or produced zoning guidance to inform the commercial development of solar resources?	No
Has the solar resource planning or zoning guidance been undertaken as part of a strategic environmental and social assessment or equivalent process?	No
Are the solar resource planning or zoning guidance outputs publically available?	No
Does the country have sufficient resource abundance to warrant a wind resource atlas?	Yes
Does the government publish or endorse a wind resource atlas or other data on the abundance and quality of the resource?	Yes
Wind atlas is validated by at least 5 ground-based measurements taken for a period of at least a year;	No

## Regulatory Indicators for Sustainable Energy (RISE)

Wind atlas has a spatial resolution of 5km or less;	No
Wind atlas is based on modeling inputs covering at least a 10 year period;	No
Wind atlas is accompanied by an explanation of the methodology and instrumentation	No
Has the country carried out strategic planning or produced zoning guidance to inform the commercial development of wind resources?	No
Has the wind resource planning or zoning guidance been undertaken as part of a strategic environmental and social assessment or equivalent process?	No
Are the wind resource planning or zoning guidance outputs publically available?	No
Does the country have sufficient resource abundance to warrant a hydro resource atlas?	Yes
Does the country publish or endorse a national hydro resource map or atlas?	No
Hydro atlas is validated by ground-based water run-off data and/or site surveys from potential sites;	No
Hydro atlas is accompanied by an explanation of the methodology and instrumentation	No
Has the country carried out strategic planning or produced zoning guidance to inform the commercial development of hydro resources?	No
Has the hydro resource planning or zoning guidance been undertaken as part of a strategic environmental and social assessment or equivalent process?	No
Are the hydro resource planning or zoning guidance outputs publically available?	No

## Regulatory Indicators for Sustainable Energy (RISE)

Does the country have sufficient resource abundance to warrant a biomass resource atlas?	Yes
Does the country publish or endorse a national biomass resource map or atlas?	Yes
Biomass atlas is validated by ground-based survey or officially reported data;	Yes
Biomass atlas is accompanied by an explanation of the methodology and instrumentation.	Yes
Has the biomass resource planning or zoning guidance been undertaken as part of a strategic environmental and social assessment or equivalent process?	No
Are the biomass resource planning or zoning guidance outputs publically available?	No
Does the country have sufficient resource abundance to warrant a geothermal resource atlas?	Yes
Does the country publish or endorse a national geothermal resource map or atlas?	Yes
The government has collected and recorded well data at potential geothermal sites?	Yes
Does the government publish a national geological map?	Yes
The government has supported surface exploration (geological; geochemical; temp; gradient) at potential sites?	Yes
The government has supported test drilling at at least one site (slim bore or full well)?	Yes
The government has supported the creation of a reservoir model at at least one site?	Yes
Has the country carried out strategic geothermal resource planning or produced zoning guidance to inform the commercial development of the resource?	No

## Regulatory Indicators for Sustainable Energy (RISE)

Has the geothermal resource planning or zoning guidance been undertaken as part of a strategic environmental and social assessment or equivalent process?nt process?	No
Are the geothermal resource planning or zoning guidance outputs publically available?	No

Incentives and regulatory support for renewable energy	Score	100
Is there at least one scheme to support renewable energy per unit of electricity generated? (e.g., feed-in tariff, competitive bidding/auction, mandates, generation premiums, production tax credits)?	Yes	
Feed-in tariff	Yes	
Feed-in tariff - Solar	Yes	
Feed-in tariff - Wind	Yes	
Feed-in tariff - Hydro	Yes	
Feed-in tariff - Biomass	Yes	
Feed-in tariff - Geothermal	Yes	
Government body in charge	Iran Renewable Energy Organization (SUNA)- Ministry of Energy of Iran?????	
Projects guaranteed off-take	Yes	
Solar Feed-in-tariff Price (\$ cents/kWh)	21	
Solar Feed-in-tariff Max. capacity (single)	there is no limitation	
Solar Feed-in-tariff Max. capacity (total)	there is no maximum	



## Regulatory Indicators for Sustainable Energy (RISE)

Solar Feed-in-tariff Closing date	2035
Wind Feed-in-tariff Price (\$ cents/kWh)	15
Wind Feed-in-tariff Max. capacity (single)	there is no limitation
Wind Feed-in-tariff Max. capacity (total)	there is no maximum
Wind Feed-in-tariff Closing date	2035
Hydro Feed-in-tariff Price (\$ cents/kWh)	12
Hydro Feed-in-tariff Max. capacity (single)	10 MW
Hydro Feed-in-tariff Max. capacity (total)	there is no maximum
Hydro Feed-in-tariff Closing date	2035
Biomass Feed-in-tariff Price (\$ cents/kWh)	13
Biomass Feed-in-tariff Max. capacity (single)	there is no limitation
Biomass Feed-in-tariff Max. capacity (total)	there is no maximum
Biomass Feed-in-tariff Closing date	2035
Geothermal Feed-in-tariff Price (\$ cents/kWh)	19
Geothermal Feed-in-tariff Max. capacity (single)	there is no limitation
Geothermal Feed-in-tariff Max. capacity (total)	there is no maximum
Geothermal Feed-in-tariff Closing date	2035
Competitive bidding	No
Auction 1 - Year	
Auction 1 - Technology	

## Regulatory Indicators for Sustainable Energy (RISE)

Auction 1 - Project-specific tender and size (MW)	
Auction 1 - Auction for total and size (MW)	
Auction 1 - Standard PPA and Term	
Auction 1 - Price ceiling	No
Auction 1 - Winning bid (\$ cents/kWh)	
Auction 1 - Government body in charge	
Auction 2 - Year	
Auction 2 - Technology	
Auction 2 - Project-specific tender and size (MW)	
Auction 2 - Auction for total and size (MW)	
Auction 2 - Standard PPA and Term	
Auction 2 - Price ceiling	No
Auction 2 - Winning bid (\$ cents/kWh)	
Auction 2 - Government body in charge	
Winning bid guaranteed off-take	No
Mandates	No
Generation premium	No
Production tax credit	No
Does the government offer other direct fiscal incentives for renewable energy (e.g. capital subsidies, grants or rebates, investment tax credits, tax reductions?)	Yes

## Regulatory Indicators for Sustainable Energy (RISE)

Investment tax credit	No
Accelerated depreciation	No
Reduction in import taxes	Yes
Reduction in sales tax or other taxes	No
Does the country provide prioritized access to the grid for RE?	Yes
Do RE projects receive priority in dispatch?	Yes
Are there provisions to compensate seller if offtake infrastructure is not built in time?	Yes
Are there mechanisms to compensate RE projects for lost generation due to certain curtailments after project commissioning?	Yes

<b>Attributes of financial and regulatory incentives</b>	<b>Score</b>	<b>67</b>
Is the market entry mechanism for private RE projects defined? (e.g. 1st come 1st served; tenders)	Yes	
Details	0	
Are projects subject to development timelines or milestones?	Yes	
Are tariffs indexed (in part or in whole) to an international currency or to inflation?	Yes	
If there is a guaranteed tariff, is there a mechanism to adjust the level of the tariff for new entrants (e.g., declination)?	Yes	
If there is a guaranteed tariff, is there a mechanism to differentiate tariffs based on the size of the generation plant?	Yes	
If there is competitive bidding/auctions, are there provisions to ensure full and timely project completion (e.g., bid-bonds, project milestones, eligibility requirements)	N/A	

## Regulatory Indicators for Sustainable Energy (RISE)

If there is a renewable energy mandate, can it be met with tradable certificates (e.g., RECs, ROCs, TECs)?	N/A
Is the price subsidy/benefit implied by a renewable energy incentive program passed through in full or in part to the final electricity consumer?	No

<b>Network connection and pricing</b>	<b>Score</b>	<b>58</b>
Are there rules defining the allocation of connection costs?	Yes	
What is the type of the connection cost allocation policy (i.e. shallow/deep)?	Deep	
Are there rules that allow electricity customers to purchase power directly from a third party (i.e. an entity other than the designated utility in a service area)?	Yes	
Do the rules define the size and allocation of costs for transmission and distribution wheeling charges? (e.g., wheeling charges, locational pricing?)	Yes	
Do the rules consider customer type/size in determining eligibility for purchasing electricity from a third party?	Yes	
connection cost document	0	
Does the country have a grid code that includes measures or standards addressing variable renewable energy?	No	
Is there more than one balancing area in the country?	No	
Are there rules for exchanging power between balancing areas that penalize variable renewable energy (e.g. through imbalance penalties)?	N/A	
Are there provisions in the power exchange rules that allow for plant forecasting?	N/A	

## Regulatory Indicators for Sustainable Energy (RISE)

Counterparty risk	Score	49
Does the government offer or allow backing of utility payments (e.g. through a letter of credit, escrow account, payment guarantee, or other)?		Yes
Information disclosure		12
Are the financial statements of the largest utility publicly available?		0
Are the financial statements of the largest generation company publicly available?		No
Are the financial statements of the largest transmission company publicly available?		No
Are the financial statements of the largest distribution company publicly available?		No
Are the financial statements of the largest retail electricity sales company publicly available?		No
Are the following metrics published in a primary official document (by the utility, regulator or ministry and/or government)?		0
Is the transmission loss rate published in a primary official document (by the utility, regulator or ministry and/or government)?		Yes
Is the distribution loss rate published in a primary official document (by the utility, regulator or ministry and/or government)?		Yes
Is the bill collection rate published in a primary official document (by the utility, regulator or ministry and/or government)?		No
Is the amount of electricity available for sale to end-users published in a primary official document (by the utility, regulator or ministry and/or government)?		Yes
Information Auditing		0

## Regulatory Indicators for Sustainable Energy (RISE)

Financial statements independently audited?	0
Are the financial statements of the largest generation company audited?	No
Are the financial statements of the largest transmission company audited?	No
Are the financial statements of the largest distribution company audited?	No
Are the financial statements of the largest retail electricity sales company audited?	No
Monitoring Reliability	0
Is the utility operating an incidence/outage recording system (or SCADA/EMS with such functionality)?	Yes
Is the utility measuring the SAIDI and SAIFI or any other measurements for service reliability?	Yes
Are the data reported to the regulatory body?	Yes
Are the data available to the public?	Yes
Name of the selected utility	Great Tehran Electricity Distribution Company (GTEDC)
data - 17.1. Current ratio (working capital ratio)	no data
data - 17.2 Debt Service Coverage Ratio	N/A
data - 17.3 Days payable outstanding	no data
data - 17.4 EBITDA margin	no data
Current ratio (working capital ratio) of selected utility	0
Debt Service Coverage Ratio of selected utility	0

## Regulatory Indicators for Sustainable Energy (RISE)

Days payable outstanding of selected utility	0
EBITDA margin of selected utility	0

<b>Carbon pricing and monitoring</b>	<b>Score</b>	<b>0</b>
Is there a carbon pricing mechanism in place?	No	
For any carbon pricing mechanism (e.g. carbon tax, emission trading system), what is the portion of national GHG emissions covered)?	0%	
Is there a monitoring, reporting and verification system for greenhouse gas emissions in place?	No	