ISU Icing Research Tunnel (ISU-IRT) Usage Rates (updated on 01/01/2019):

1) The basic operating rate is $3,000 per eight-hour occupancy day. The rate includes:
   a) Icing tunnel rental and use of a high-speed camera to acquire ice accretion images.
   b) One staff member to operate ISU-IRT and instruments, install and remove models.
   c) Acquired digital photographs and videos obtained during the ice accretion testing.

2) Occupancy starts with test section preparation for model installation and ends with model removal and test section restoration. Operating hours are 8:30 AM – 5:30 PM with 1.0 hour break near noon, Monday to Friday. On at least the first day of testing, an 8:30 AM safety and test review meeting will be held with on-site customer representatives before starting operations. This time is included in the billable occupancy. Occupancy time is not charged during unscheduled facility troubleshooting or maintenance.

3) Setup and tearout days will be charged at $2,000 per eight-hour day. Setup and tearout time can be charged as fractional days and combined with fractional operating days.

4) The minimum charge is one complete eight-hour day (i.e., $3,000).

5) An additional rental of other specialized instruments (e.g., IR thermal imaging system, PIV system, 3D profiler, load cells, pressure scanners ...) will be charged at $500/day per system.

6) Additional test support technician beyond part 1b. Will be billed at $50/hr per technician.

7) Overtime operation for daily time exceeding eight hours or outside normal operating hours will be charged at $500 per hour. Overtime operation must be approved by the lab Director.

8) Engineering services, reporting and project management will be charged at $150/hr.

9) Fabrication services are available at $100 per machine hour. Material costs are charged at cost plus 10%. Rapid prototyper charges are $50 per machine hour with a $150 minimum charge.

10) The customer assumes all shipping expenses to and from ISU-IRT laboratory. ISU-IRT personnel can assist in packing and shipping, but cannot take responsibility for any damages.

11) The customer assumes repair expenses to the facility or equipment in the event of a customer-supplied model failure and/or customer negligence.

12) A signed testing service agreement and non-refundable deposit of $2,000 per occupancy day is required to reserve icing tunnel time. An additional non-refundable deposit is required for model design engineering or fabrication.

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